



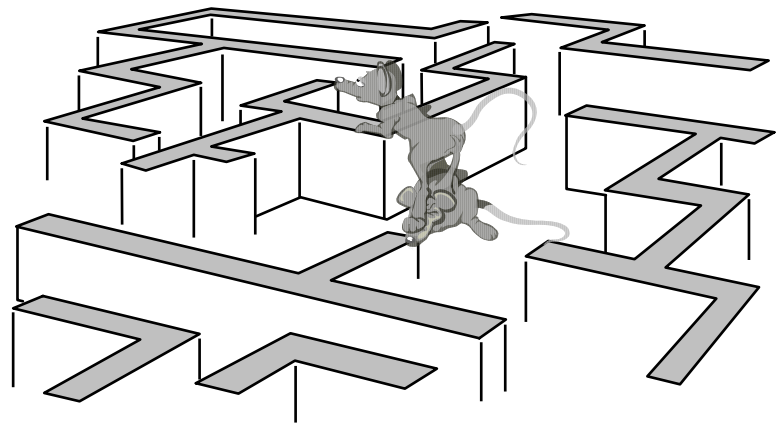
# Ingest

**July 2007  
Interim Update – LaRC 7.20**

# Overview of Lesson



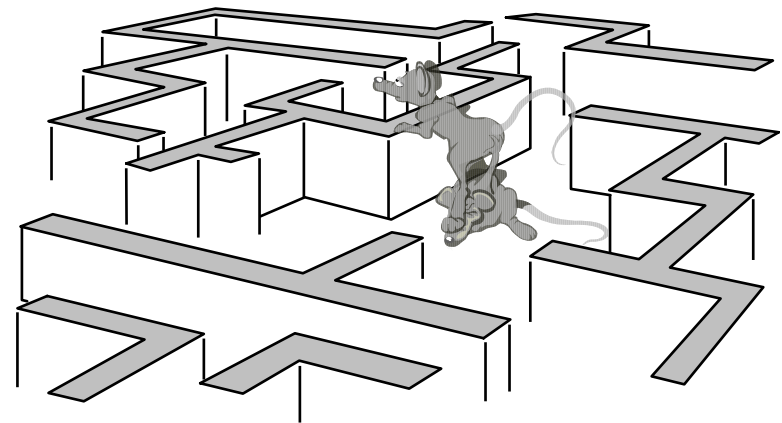
- **Introduction**
- **Ingest Topics**
  - **Ingest Concept**
    - **System Context**
    - **DPL Ingest Subsystem**
  - **Ingest Activities**
  - **Ingest Categories**
  - **Ingest Scenarios**
  - **Logging in to System Hosts**
  - **Launching the Data Pool Ingest GUIs**
  - **Monitoring Data Pool Ingest**



# Overview of Lesson (Cont.)



- **Ingest Topics (Cont.)**
  - **Monitoring Data Pool Ingest Status**
  - **Interventions & Alerts**
  - **Modifying DPL Ingest Configuration Parameters**



# Objectives



- **OVERALL:**
  - Develop proficiency in the procedures that apply to ingest operations
- **SPECIFIC:**
  - Describe the ingest function, including a general statement of the ingest responsibility in the system and an overview of the ingest process
  - Perform the steps involved in
    - logging in to system hosts
    - launching the ECS DPL Ingest GUI
    - monitoring and controlling ingest requests
    - viewing the Ingest History Log
    - verifying the archiving of ingested data

# Objectives (Cont.)



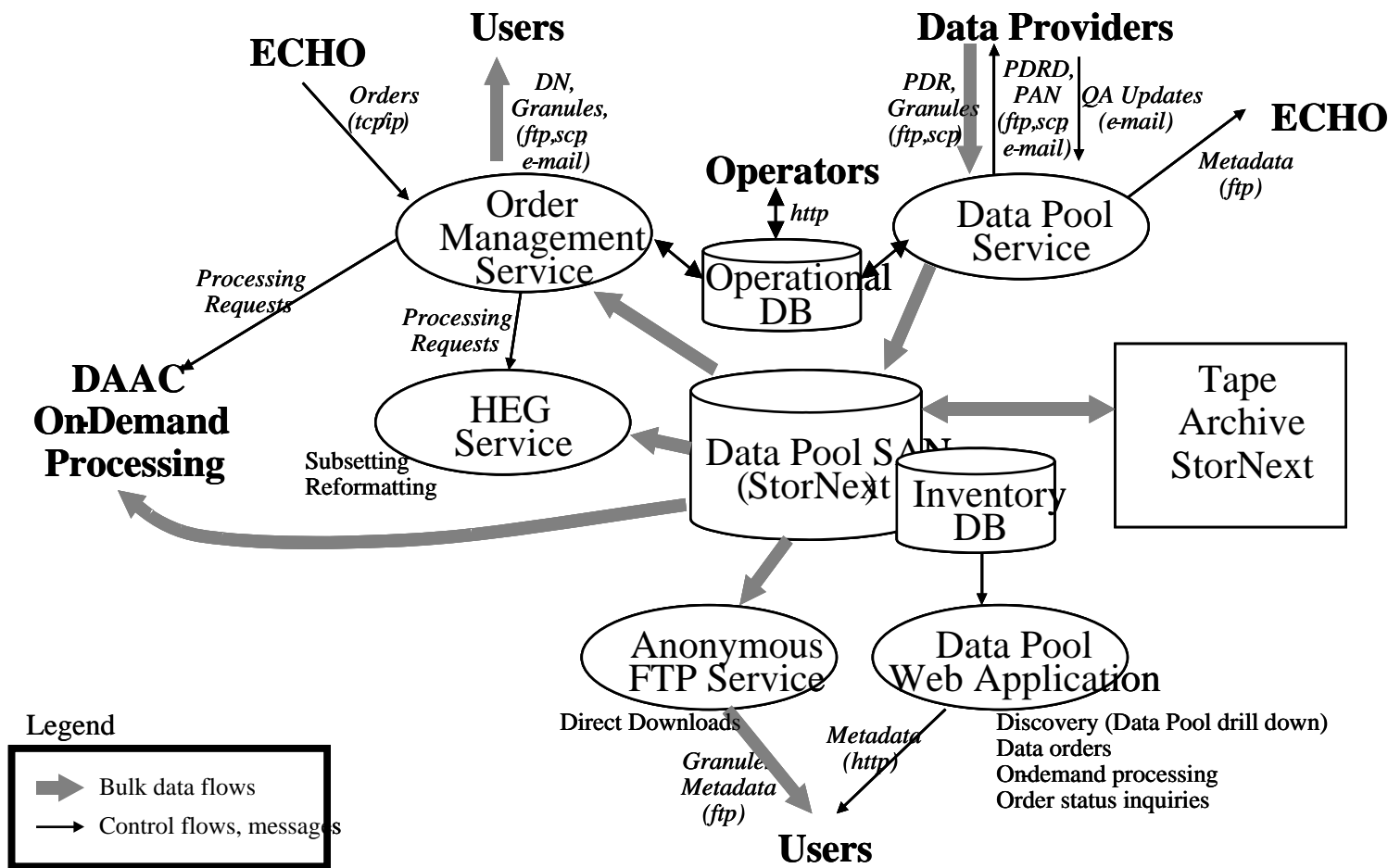
- **SPECIFIC (Cont.):**
  - **Perform the steps involved in**
    - **modifying external data provider information**
    - **modifying Ingest Subsystem parameters using the Data Pool Ingest GUI Operator Tools**

# Objectives (Cont.)



- **STANDARDS:**
  - Lesson content (procedures in the lesson)
  - Mission Operation Procedures for the EMD Project (611-EMD-100)

# Ingest Context Diagram



# Ingest Context (Cont.)



- **Context (Cont.)**
  - **Data Pool Ingest Subsystem** is point of entry to the system for data from external data providers
  - **The Order Management Service (OMS):**
    - **Manages all distribution services**
    - **Accepts distribution requests from external interfaces (e.g., ECHO)**
    - **Implements distribution and staging policies as configured by the DAAC**
  - **Data Pool (DPL) Service:**
    - **Point of entry to the system for data from external data providers**
    - **Requests staging operations for data not found in the SAN**
    - **Interfaces with on-demand processing services, such as HEG (internal) and HEW (external)**
    - **Provides a web-based order status interface for users, as well as a web-based operator interface to manage distribution**
    - **Manages all ingest, staging and archiving services**
    - **Polls for, and processes ingest requests in accordance with ECS Interface Control Documents (ICDs)**



# Ingest Context (Cont.)



- **Context (Cont.)**

- **DPL Ingest Service: (Cont.)**

- Implements ingest, archiving and staging policies as configured by the DAAC
    - Dispatches pre-processing services to perform metadata extraction and format conversions and dispatches subscription services following ingest
    - Accepts and applies Quality Assurance (QA) updates
    - Maintains and exports collection and granule metadata
    - Supports discovery, drill down searches, and direct data downloads via the Data Pool Web Application and Anonymous FTP Service
    - Provides a web-based operator interface to manage ingest, archiving, staging and metadata

# Ingest Context (Cont.)



- **Context (Cont.)**
  - **The HEG service:**
    - **Accepts requests for subsetting, reformatting, and re-projection via the HEG Tool**
    - **Dispatches HEG processes across platforms while performing load balancing and resource management**
    - **Used by the Data Pool Service to perform routine pre-processing (e.g., format conversion) during ingest**
    - **Used by the Order Management Service to perform on-demand processing during distribution**

# Ingest Context (Cont.)



- **Context (Cont.)**

- **Data Pool Storage:**

- consists of a Storage Area Network (SAN) that is accessible to all internal platforms for processing and distribution
    - Provides a large disk cache for recent inserts and on-going operations enabling up to several months worth of data to be buffered
    - Implements data retention and migration policies as configured by the DAAC

- **Tape Archive:**

- Provides tape storage for all archived data
    - Accessed only by the DPL Ingest Service during archiving or staging

# Ingest Context (Cont.)



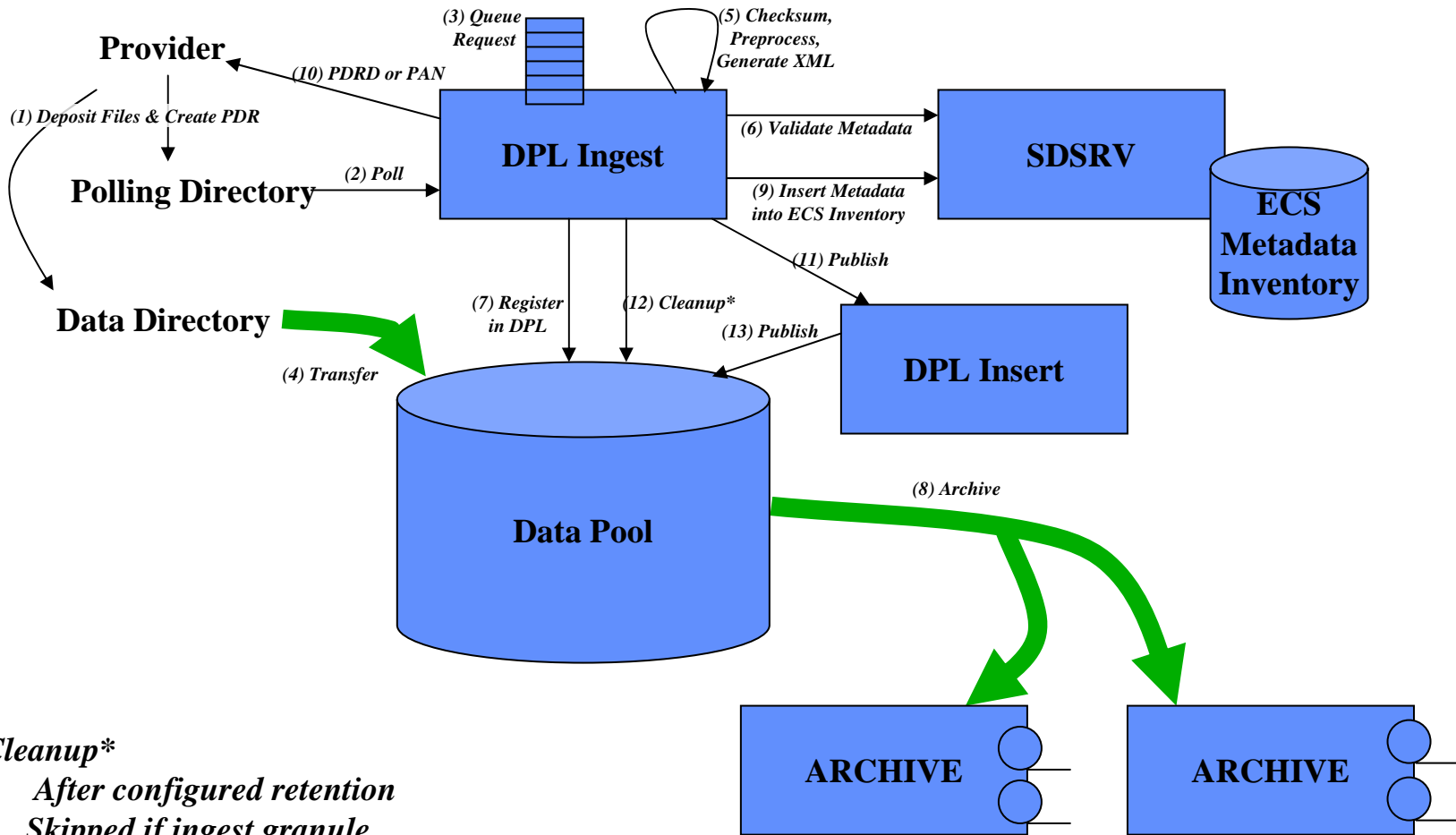
- **Context (Cont.)**
  - **Inventory Database:**
    - Tracks all archived granules
    - Accessible to all platforms
    - Contains a reduced set of metadata (metadata needed only to support Data Pool web) searches and ingest processing
    - Complete metadata for each granule is stored in metadata files in XML and ODL format
    - All metadata files are kept on disk, i.e., they are not archive

# Ingest Context (Cont.)



- **Context (Cont.)**
  - **The Operations Database:**
    - Accessed by the Order Management Service, Data Pool Service and operator interfaces
    - Holds operational data including the state of active requests
    - Holds historical information about completed requests

# DPL Ingest Subsystem



## *Cleanup\**

- *After configured retention*
- *Skipped if ingest granule is published*

# DPL Ingest Subsystem (Cont.)



- **The DPL Ingest Subsystem:**
  - The component that the Ingest Technician uses when getting data from external data providers into the system
  - The Ingest Technician has access to Data Pool Ingest through the DPL Ingest GUI
  - Used for SIPS, S4P, Aster, Secure Copy and cross-DAAC ingest
  - Supports the ingest protocol known as 'Polling with Delivery Record'
  - Inserts the ingested data into the archive and the Data Pool SAN

# DPL Ingest Subsystem (Cont.)



- **DPL Ingest Subsystem (Cont.)**
  - **SIPS providers place their data and Product Delivery Record (PDR) files into a polling directory**
    - The directory can be local, e.g., accessible via a mount point; or remote, i.e., accessible via FTP or Secure Copy (SCP)
  - **The DPL Ingest Service**
    - Polls these directories as configured by the DAAC and retrieves all new PDR files in those directories
    - Queues ingest requests for all PDRs that it finds
    - Checks available resources and DAAC configured priorities
    - Granule files are copied into the Data Pool SAN, using hidden directories for that purpose unless the DAAC requested that the data be published on insert
    - Preprocessing events include checksum verification, translation of .met file to XML



# DPL Ingest Subsystem (Cont.)



- **Minimal granule metadata is inserted into the Data Pool database**
- **The granules are then copied over to the ECS archive**
  - **This may involve a copy to both a primary and backup archive depending on how the ESDT is configured for archiving**
- **The granule metadata is inserted into the ECS inventory in the SDSRV database**
- **The provider is notified of the outcome, which could be immediately via Product Deliver Discrepancy Report (PDRD) if Product Delivery Record (PDR) validation failed, or later via a short or long Product Acceptance Notification (PAN)**
- **If the ESDT is configured for public Data Pool insert, additional granule metadata is populated in the Data Pool database warehouse tables**

# DPL Ingest GUI



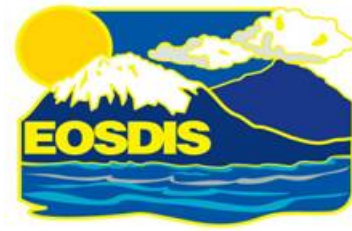
- **DPL Ingest GUI**
  - **Provides capabilities:**
    - **Monitor ingest requests and errors**
    - **Respond to ingest requests for operator intervention and alerts**
    - **Enter configuration information related to providers, polling locations, and the handling of data collections**

# Logging in to System Hosts



- **Logging in to system hosts is accomplished from a UNIX command line prompt**
  - It is an initial set of steps that is performed when accomplishing many other Ingest tasks
- **Procedure**
  - Access the command shell
  - Set the DISPLAY environmental variable
  - Log in to the specified host using secure shell and the specified user ID

# Launching ECS Data Pool Ingest



- **Software applications associated with Data Pool Ingest:**
  - **EcDIIInProcessingService**
  - **EcDIIInPollingService**
  - **EcDIIInNotificationService**
- **Normally multiple instances of some Ingest servers**
- **Ingest depends on other servers (Science Data Server and Data Pool Maintenance GUI)**

# Launching Data Pool Ingest (Cont.)



- **Procedure (Launching the Data Pool Ingest GUI)**
  - Launch **Mozilla Firefox 2.0**
  - Type the **URL** or (retrieve by bookmark) the Data Pool Ingest GUI

# ECS Data Pool Ingest GUI Home Page



- The **Navigation** panel is located in the left pane and contains menus that allow the operator monitor/control requests
- The **General System Statistics** section provides general information about current requests and granules in the system, as well as the various services and file systems used in processing

# ECS Data Pool Ingest GUI – Home (Cont.)



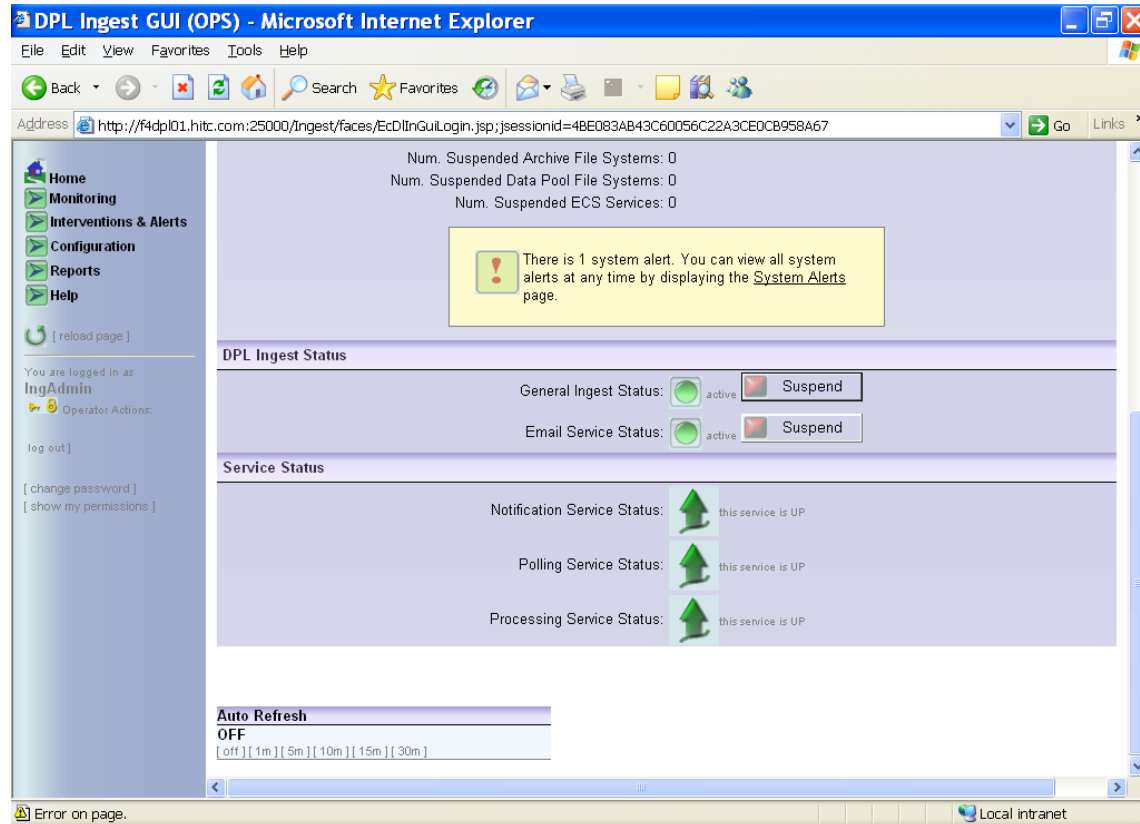
- **The General System Statistics section provides general information about current requests and granules in the system, as well as the various services and file systems used in processing**

Field Name	Description
Total Volume of Data Queued	Sum of the size of all files of all granules that have not yet been activated
Total Volume of Data In-Processing	Sum of the size of all files of all granules that are currently active, and not suspended or in a terminal state
Total Ingest Requests Queued	Total number of requests that have not yet been activated
Total Ingest Requests In-Processing	Total number of requests that are currently active, and not suspended or in a terminal state
Total Granules Queued	Sum of all granules in active or queued requests that have not yet been activated
Total Granules In-Processing	Sum of all granules in active or queued requests that are currently active, and not suspended or in a terminal state
Num Suspended Archive File Systems	Total archive file systems that have been suspended, either automatically by the server or manually by operator
Num Suspended Data Pool File Systems	Total data pool file systems that have been suspended, either automatically by the server or manually by operator
Num Suspended ECS Services	Total ECS service hosts that have been suspended, either automatically by the server or manually by operator

# ECS Data Pool Ingest GUI Home Page



- The **DPL Ingest Status** section consists of two buttons that enable the user to halt various actions throughout the data pool ingest system
  - **General Ingest Status** button stops polling from all polling locations and prevents any new granules from being activated
  - **Email Service Status** stops any further email notifications

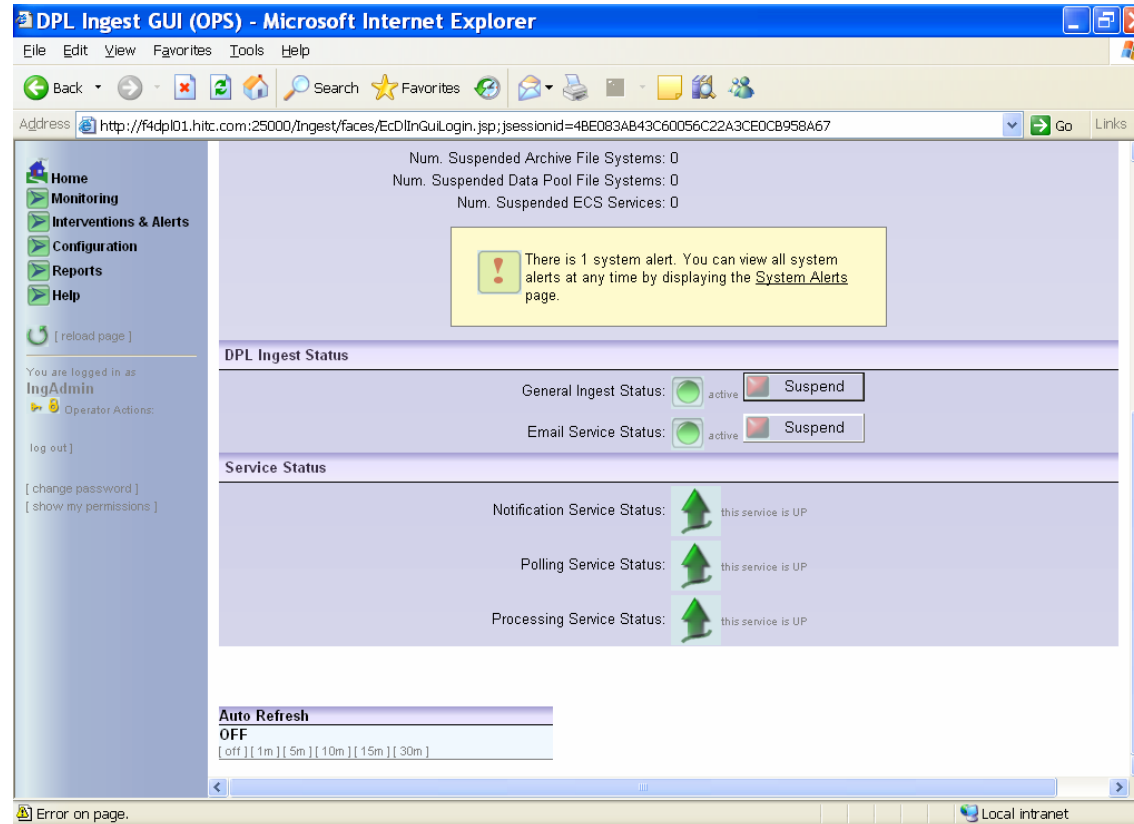




# ECS Data Pool Ingest GUI Home Page



- The **Service Status** section provides the status of the three primary services that make up the Data Pool Ingest system
  - **Notification Service Status** - If suspended, no notifications will be sent
  - **Polling Service Status** - If suspended, PDRs will not arrive from any configured polling location
  - **Processing Service Status** - If suspended, no actions on any requests or granules will start



# Monitoring Data Pool Ingest



- **The following Data Pool Ingest Statuses can be monitored:**
  - **Requests Status**
  - **Historical Requests**
  - **Provider Status**
  - **File System Status**
  - **Transfer Host Status**
  - **ECS Service Status**
  - **PDR List**

# Monitoring - Ingest Request Status



- The **Ingest Request** status screen is used to check the status of current active ingest requests. The operator may select any eligible request and perform one of several actions:
  - **Cancel Requests** – This is an irreversible action, there is no way to ‘un-cancel’ a request
  - **Suspend Requests** – Performed only if the selected requests are not already suspended or cancelled
    - Used to stop new granules from being activated
  - **Resume Requests** – This action may be performed only if the selected requests are suspended
  - **Change Priority** of the request(s) –
    - Requests in terminal states cannot have their priority changed
    - A default priority will be assigned to requests based upon the configuration of the request’s provider

# Monitoring - Ingest Requests



- Procedure

- Select the DPL Ingest GUI **Monitoring** link
- Select the **Requests Status** link
- Click on one of the **Request ID's**
  - Displays detailed information about the request

Request ID	Status	Priority	Provider Name	Size [MB]	Granules	Granules Completed Processing	When Queued	Last Update
16457	Suspended (InsertErr)	VHIGH	rtian_test	0.691	1	0	2007-08-09 17:47:08	2007-08-09 17:47:13
16456	Successful	VHIGH	rtian_test	0.691	1	1	2007-08-09 17:31:06	2007-08-09 17:31:10
16453	Suspended (PreprocErr)	VHIGH	ASTER_GDS	111.125	2	0	2007-08-09 13:38:28	2007-08-09 13:38:32
16452	Suspended (PreprocErr)	VHIGH	ASTER_GDS	111.125	2	0	2007-08-09 13:30:26	2007-08-09 13:30:29

# Monitoring - Ingest Request Status

## Page Field Descriptions



Field Name	Description
Request ID	Unique ID for an ingest request
Status	Status of the request (see Table 3 for list of possible statuses)
Priority	The precedence which a request will have for activation and various processing actions.
Provider Name	Name of the provider from which the request was obtained
Size [MB]	Sum of the size of all granules in the request
Granules	Total granules included in the request
Granules Completed Processing	Total granules that have reached a successful state
When Queued	Time the request was encountered by the polling service
Last Update	Time of the last change made by the ingest services to the status of the request or its granules

# Monitoring - Ingest Request Status

## Page Field Descriptions



Request Status	Request Actions			
	Suspend	Cancel / Change Priority	Resume	No Actions Allowed
New		X		
Validated		X		
Active	X	X		
Partially_Suspended		X		
Suspending / Suspended		X	X	
Resuming	X			
Failed				X
Partial_Failure				X
Canceling				X
Partially_Cancelled				X
Successful				X

# Monitoring - Changing Request Status Filters



- Procedure
  - Select the DPL Ingest GUI **Monitoring** link
  - Select the **Requests Status** link
  - Select the **Show/Hide Filters** button

The screenshot shows a web-based interface for monitoring requests. At the top left, there is a green icon of a magnifying glass with a keyhole, labeled "Show / Hide Filters" and "[ HELP ]". Below this is a dialog box titled "Criteria Based Filtering". The dialog has two tabs: "Criteria Based Filtering" (selected) and "Filter By Request ID". Under the "Criteria Based Filtering" tab, there are several sections: "Data Providers:" with a dropdown menu showing "MODAPS\_TERRA\_FPROC"; "Request Detail Criteria:" with a dropdown menu showing "New"; "Request States:" with a dropdown menu showing "Validated" (highlighted) and "Active"; "Target Archives:" with a list box showing "amfs1", "snfs1", and "browfs"; and "Date Range Criteria:" with a dropdown menu showing "Last Updated". Below these sections are date and time pickers for "FROM" and "TO" times. The "FROM" time is set to month 10, day 25, yr 2006, hr 1, min 0. The "TO" time is set to month 10, day 26, yr 2006, hr 23, min 59. At the bottom of the dialog, there is a checkbox labeled "Save As Default Settings [ HELP ]", an "Apply Filter" button, and a "Load Default Settings" button.

# Monitoring - Changing Request Status Filters (Cont.)



- **Criteria Based Filtering**
  - Allows filtering the attributes of various requests
  - If you want to filter a single granule ID select Filter By Request ID
- **Filter by Data Provider**
- **Filter by Request State criteria**
  - Selection of this state forces the filter for the Request Detail Criteria to be requests states
- **Error Type**
  - Selection of this state forces the filter for the Request Detail Criteria to be error types
- **Filter by Request Detail Criteria**
- **Filter by Target Archives Criteria**
- **Filter by Date Range Criteria**

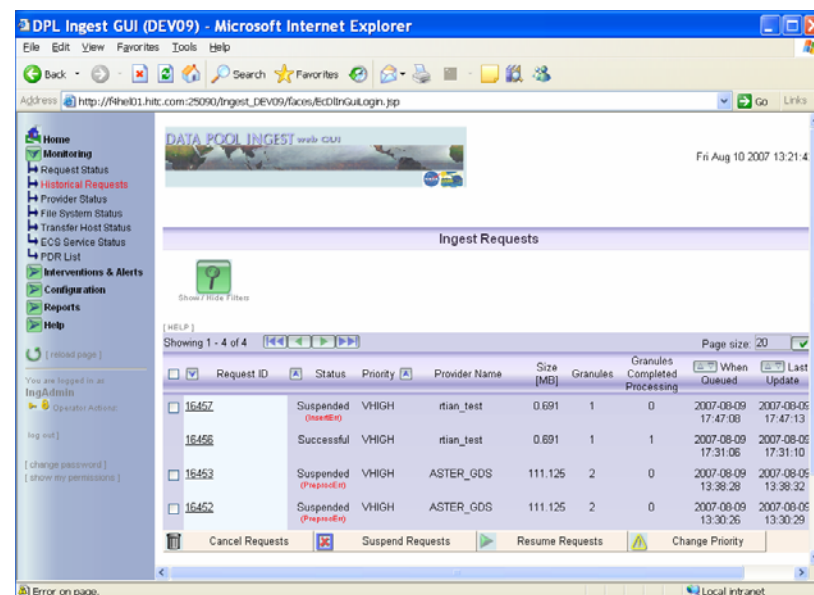


# Monitoring – Resume, Suspend, Change Priority Of Ingest Requests



## • Procedure

- Click on the box corresponding to the request to be resumed
- Click on the **Resume**, **Suspend** or **Change Priority** button
- Enter the Reason for the change
- Click on the OK button



### Cancel/Resume

<input checked="" type="checkbox"/>	14671	Partially_Suspended (XferErr)	HIGH
	Cancel Requests	Suspend Requests	Resume Requests
Please Enter A Reason For The Change: [ Cancel ]			
<input type="text"/>			
<input type="button" value="Continue to Cancel Requests"/>			

### Change Priority

<input type="checkbox"/>	<input checked="" type="checkbox"/> Request ID	<input type="checkbox"/> Status	Priority	<input type="checkbox"/> Provider Name
<input type="checkbox"/>	14673	Validated	HIGH	MODAPS_TERRA_FPROC
<input checked="" type="checkbox"/>	14672	Active	HIGH	MODAPS_TERRA_FPROC
	Cancel Requests	Suspend Requests	Resume Requests	Change Priority
Please Enter A Reason For The Change: [ Cancel ]				
<input type="text"/>				
<input type="button" value="XPRESS(255)"/> <input type="button" value="Ok"/>				

# Monitoring - Ingest Request Detailed Status



DPL Ingest GUI (DEV09) - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address [http://f4hel01.hitc.com:25090/Ingest\\_DEV09/faces/EcDInGuiLogin.jsp](http://f4hel01.hitc.com:25090/Ingest_DEV09/faces/EcDInGuiLogin.jsp) Go Links »

**Home**  
**Monitoring**  
Request Status  
Historical Requests  
Provider Status  
File System Status  
Transfer Host Status  
ECS Service Status  
PDR List  
**Interventions & Alerts**  
**Configuration**  
**Reports**  
**Help**

[ reload page ]

You are logged in as **IngAdmin**  
Operator Actions:  
log out]  
[ change password ]  
[ show my permissions ]

### Ingest Request Detail

**Request Info** [ Show / Hide ]

**Request ID:** 16457  
**Status:** Suspended  
**Priority:** VHIGH  
**Polling Location:** ingest\_poll  
**Mission:**  
**Data Provider:** rtian\_test  
**Size:** 0.691 MB  
[Open Intervention: view details](#)

**PDR Path and file name:** /datapool/DEV09/user/FS1//pdrs/1000196/500153/46MOD14.A2004001.0000.004.2004003044859.002.hdf.PDR

**Last Update:** 2007-08-09 17:47:13  
**When Queued:** 2007-08-09 17:47:08  
**When Activated:** 2007-08-09 17:47:08  
**When Completed:**  
**Expiration Date/Time:** 2010-12-31 18:59:59

### Granule Statistics:

Total Granules	Granules Preprocessed	Granules Inserted	Granules Transferred	Granules Archived	No. Files
1	100%	0%	100%	100%	2

**Status Change History**

Status Changed to New	2007-08-09 17:46:59
Status Changed to Validated	2007-08-09 17:47:08

Error on page. Local intranet

# Monitoring - Ingest Request Detailed Status (Cont.)



- Any granule(s) encountering problems during any point in their processing are initially flagged as “suspended”
- The following actions may be performed on granules that have been initially suspended:
  - **Retry Selected Granules**: This applies only to granules that are currently suspended
  - **Retry Selected Granules From Start**: This applies only to granules that are currently suspended and retries them from the beginning
  - **Fail Selected Granules**: This applies only to granules that are currently suspended and transitions the granule into the failed state
  - **Cancel Selected Granules**: This applies to granules that are in the New state, Active state, or Suspended state and can be cancelled by selecting this icon
    - If the state is Successful, Failed or any Terminal state, the granule may not be cancelled
    - This action manually fails the granules, marking them ‘canceled’

# Monitoring - Historical Requests



- **The DPL Ingest Historical Requests provides the following information:**
  - **A summary of ingest requests that have been processed**
  - **Detailed granule information about each completed ingest request**
  - **Ingest request processing statistics to include time required to perform Transfer, Checksum, Preprocess, DPL Insert and Archive.**
  - **Detailed information about each granule.**
- **Since the Historical Requests are completed requests, no action can be processed from these pages**

# Monitoring - Historical Requests (Cont.)



- Procedure
  - Select the DPL Ingest GUI **Monitoring** link
  - Select the **Historical Requests** link
  - Select the **Show/Hide Filters** button

**DPL Ingest GUI (DEV09) - Microsoft Internet Explorer**

Address: [http://f4hel01.hitc.com:25090/Ingest\\_DEV09/faces/EcDIInGuiLogin.jsp](http://f4hel01.hitc.com:25090/Ingest_DEV09/faces/EcDIInGuiLogin.jsp)

**DATA POOL INGEST web GUI**

Fri Aug 10 2007 13:30:2

**Historical Ingest Requests**

Show/Hide Filters

[ HELP ]  
Showing 1 - 20 of 5610 [Navigation icons] [print/save view] Page size: 20

RequestId	Status	Priority	Provider Name	Size	No. Granules (No. Successful)	Ingest Method	When Queued	When Proc. Started	When Proc. Completed
<a href="#">7967</a>	Cancelled	VHIGH	1JessicaLocal	24.697	10	DPL	2006-09-12 10:22:37	2006-09-13 08:35:24	
<a href="#">7968</a>	Cancelled (PreprocErr)	VHIGH	1JessicaLocal	24.697	10	DPL	2006-09-12 10:22:36	2006-09-13 08:39:55	
<a href="#">7970</a>	Cancelled	VHIGH	llocal		0	DPL			
<a href="#">7971</a>	Cancelled	VHIGH	lremote		0	DPL			
<a href="#">7972</a>	Cancelled	VHIGH	lremote		0	DPL			

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Local intranet

# Monitoring - Historical Requests Details



**DPL Ingest GUI (DEV09) - Microsoft Internet Explorer**

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Mail Print Taskbar Start Search

Address [http://f4hel01.hitc.com:25090/Ingest\\_DEV09/faces/EcDlinGuiLogin.jsp](http://f4hel01.hitc.com:25090/Ingest_DEV09/faces/EcDlinGuiLogin.jsp) Go Links

**DATA POOL INGEST web GUI** Fri Aug 10 2007 13:38:5

**Home**  
**Monitoring**  
Request Status  
Historical Requests  
Provider Status  
File System Status  
Transfer Host Status  
ECS Service Status  
PDR List  
**Interventions & Alerts**  
**Configuration**  
**Reports**  
**Help**

[ reload page ]

You are logged in as **IngAdmin**  
Operator Actions:  
log out]  
[ change password ]  
[ show my permissions ]

**Historical Ingest Request Detail for RequestId 7967**

**Request Info** [ Show / Hide ]

<b>RequestID:</b> 7967 <b>Provider:</b> 1JessicaLocal <b>Ingest Method:</b> DPL	<b>Status:</b> Cancelled <b>Size:</b> 24.697 MB	<b>Priority:</b> VHIGH <b>No. Granules:</b> 1 (successful) <b>No. Files:</b> 2
---	--	--

**When Queued:** 2006-09-12 10:22:37  
**When Processing Started:** 2006-09-13 08:35:24  
**When Processing Ended:**

**Request Timings**

Time To Xfer	Time To Checksum	Time To Preprocess	Time To DPL Insert	Time To Archive
23	-	0	-	0

**Status Change History**

Status Changed to New	2006-09-12 10:22:31
Status Changed to Validated	2006-09-12 10:22:37

Error on page. Local intranet

# Monitoring – Provider Status



- **The Provider Status link provides access to the status and information about each configured data provider in the ingest system**
  - A List of all configured providers along with general statistics for each provider
  - Provides the status of the provider (i.e. Active, **Suspended by Server**, or **Suspended by Operator**)
    - This is the only changeable field on this page. From this page a provider can be **Resumed** or **Suspended**
  - Provides individual status for polling locations (ie total number of active or suspended polling location)
  - Provides access to detailed provider status that shows individual status of each polling location associated with a provider
    - From this page, an individual polling location can be suspended or resumed accordingly

# Monitoring – Provider Status (Cont.)



- Procedure
  - Select the DPL Ingest GUI **Monitoring** link
  - Select the **Provider Status** link

DPL Ingest GUI (DEV09) - Microsoft Internet Explorer

Address: http://f4hel01.hitc.com:25090/Ingest\_DEV09/faces/EcdInGuiLogin.jsp

Home  
Monitoring  
Request Status  
Historical Requests  
Provider Status  
File System Status  
Transfer Host Status  
ECS Service Status  
PDR List  
Interventions & Alerts  
Configuration  
Reports  
Help

DATA POOL INGEST web GUI

Fri Aug 10 2007 13:41:0

Provider Status

[ HELP ]

<input type="checkbox"/>	Provider	Status	Polling Locations	Requests Queued	Requests In Process	Granules Queued	Granules In Process
<input type="checkbox"/>	<a href="#">1Lisa_Amser</a>	active	No Polling Locations	0	0	0 (0.000 MB)	0 (0.000 MB)
<input type="checkbox"/>	<a href="#">1Lisa_Modaps_Aqua</a>	active	No Polling Locations	0	0	0 (0.000 MB)	0 (0.000 MB)
<input type="checkbox"/>	<a href="#">1Lisa_Modaps_Terra</a>	active	No Polling Locations	0	0	0 (0.000 MB)	0 (0.000 MB)
<input type="checkbox"/>	<a href="#">4010_Connection_Prob</a>	active	No Polling Locations	0	0	0 (0.000 MB)	0 (0.000 MB)
<input type="checkbox"/>	<a href="#">AMSR_E_SIPS</a>	active	1 of 1 active	0	0	0 (0.000 MB)	0 (0.000 MB)
<input type="checkbox"/>	<a href="#">ASTER_GDS</a>	active	1 of 2 disabled	0	0	0 (0.000 MB)	0 (0.000 MB)
<input type="checkbox"/>	<a href="#">ASTER_OSF</a>	active	1 of 1 active	0	0	0 (0.000 MB)	0 (0.000 MB)
<input type="checkbox"/>	<a href="#">Bender</a>	active	1 of 2	0	0	0 (0.000 MB)	0 (0.000 MB)

Error on page.

Local intranet



# Monitoring – Provider Status Detail



- Procedure
  - Click on any **Provider ID**

**DPL Ingest GUI (DEV09) - Microsoft Internet Explorer**


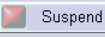
Address: [http://f4hel01.hitc.com:25090/Ingest\\_DEV09/faces/EcdInGuiLogin.jsp](http://f4hel01.hitc.com:25090/Ingest_DEV09/faces/EcdInGuiLogin.jsp)

**DATA POOL INGEST web GUI** Fri Aug 10 2007 13:43:42

### Provider Status Detail

**General Status**

Provider: EDOS



General Status:  active 

Requests Queued: 0 (0.000 MB)  
Requests In Process: 0 (0.000 MB)

**Configured Notification Types**

Email: Yes	FTP: No	SCP: No
------------	---------	---------

**Polling Locations**

Status	Source Polling Path	Host Type	Host Name	Host Status	Address
 Suspend 					

Error on page. Local intranet

# Monitoring – Suspend/Resume Provider



- **A provider may be suspended or resumed from the Provider Status page**
  - **Suspending a Data Provider will stop the activation of Ingest Requests from that Provider**
    - **Ingest Requests that are already active will be completed**
  - **Ingest will also stop polling any of the Polling Locations associated with that Data Provider**
    - **No new Requests from that suspended Data Provider will be queued**
    - **If a polling cycle is in progress, the cycle will be completed**
  - **Resuming a Provider will activate Ingest Requests from that provider**

# Monitoring – Suspend/Resume Polling Location



- **A provider may be suspended or resumed from the Provider Status page**
  - **Suspending a Polling Location will stop the activation of Ingest Requests from location**
    - **Ingest Requests that are already active will be completed**
  - **Resuming a Polling Location will activate Ingest Requests from location**

# Monitoring – File System Status



- The **File System Status** page displays the following information on the **Data Pool Archive File Systems** and **Data Pool File Systems**:
  - Name(s) and directory paths for Archive and Data Pool File Systems
  - Provides the statuses of the Archive and Data Pool File Systems
    - Active, Suspended by Operator or Suspended by Server
    - This is the only changeable field on this page
    - From this page Archive and Data Pool File Systems can be Resumed or Suspended
  - Provides File System space threshold metrics

# Monitoring – File System Status (Cont.)



- Procedure
  - Select the DPL Ingest GUI **Monitoring** link
  - Select the **File System Status** link

DPL Ingest GUI (DEV09) - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://f4hel01.hitc.com:25090/Ingest\_DEV09/faces/EcDInGuiLogin.jsp

DATA POOL INGEST web GUI

Fri Aug 10 2007 13:46:2

**File System Status**

[ HELP ]

**Data Pool File Systems**

<input type="checkbox"/>	Name Path	Status	Free Space	Used Space Updated	Cache Used Alert Threshold	Queued Granules Volume	Granules Processing Volume
<input type="checkbox"/>	DEFAULT /datapool/DEV09/user/FS1/	active	177GB	51% 2007-08-10 13:42:14.13	92%	0 0.000 MB	0 0.000 MB
<input type="checkbox"/>	FS2 /datapool/DEV09/user/FS2/	active	238GB	35% 2007-08-10 13:42:14.133	92%	0 0.000 MB	0 0.000 MB

**Archive File Systems**

<input type="checkbox"/>	Name Path	Status	Free Space	Used Space Updated	Cache Used Alert Threshold	Cache Used Suspend Threshold	Queued Granules (Min- Max) Volume (Min-Max)	Granules Processing (Min- Max) Volume (Min-Max)
<input type="checkbox"/>	ARCHIVE5		205GB	17%	95%	100%	0 - 0	0 - 0

Error on page.

Local intranet

# Monitoring – Suspend/Resume File Systems



- **Data Pool File System** and **Archive File System** can be suspended or resumed from the File System Status page
  - Suspending a File System will prevent the occurrence of any activity on the selected File System
  - Resuming a File System will allow activity on a File System to resume

# Monitoring – Transfer Host Status



- **The Transfer Host Status page shows the status of each configured FTP host and Local Host transfers**
  - These hosts can be suspended or resumed manually
  - These hosts can be suspended or resumed by the Data Pool Ingest service
  - An Undefined host is generated when the system does not recognize the node name contained in the PDR

# Monitoring – Transfer Host Status (Cont.)



- Procedure
  - Select the DPL Ingest GUI **Monitoring** link
  - Select the **Transfer Host Status** link

**DPL Ingest GUI (DEV08) - Microsoft Internet Explorer**

File Edit View Favorites Tools Help

Address [http://f4he101.hitc.com:22500/Ingest\\_DEV08/faces/EcdInguLogin.jsp](http://f4he101.hitc.com:22500/Ingest_DEV08/faces/EcdInguLogin.jsp) Go Links

**Home**  
**Monitoring**  
Request Status  
Historical Requests  
Provider Status  
File System Status  
Transfer Host Status  
ECS Service Status  
PDR List  
Interventions & Alerts  
Configuration  
Reports  
Help

[ reload page ]

You are logged in as **IngAdmin**  
Operator Actions:  
log out  
[ change password ]  
[ show my permissions ]

**Transfer Host Status**

[ HELP ]

**Existing FTP Hosts**

<input type="checkbox"/>	Host Label	Address	Read Status	Write Status	Status By Provider
<input type="checkbox"/>	EDOS_f4eil01	f4eil01.hitc.com	active	active	Provider Name Read Status Write Status
<input type="checkbox"/>	LPDAAC	f4spl01	active	active	Provider Name Read Status Write Status

Provider Name	Read Status	Write Status
MODAPS_AQUA_FPROC	suspended by operator	active
MODAPS_COMBINE_FPROC	active	active
MODAPS_TERRA_FPROC	suspended by operator	active

Error on page. Local intranet



# Monitoring – Transfer Host Status (Cont.)



Field Name	Description
Host Label	Label assigned to the host on which the polling location is found
Address	The I.P. address or the canonical name and port number of the host
Read Status	Whether or not read actions ( <a href="#">such as polling location listings</a> ) are active, suspended by operator, or suspended by server on the host
Write Status	Whether or not write actions ( <a href="#">such as transferring notifications</a> ) are active or suspended on the host
Status by Provider: Provider Name	Name of a provider with a polling location configured on the host
Status by Provider: Read Status	Whether or not read actions are active or suspended for a specific provider
Status by Provider: Write Status	Whether or not write actions are active or suspended for a specific provider

# Monitoring – ECS Service Status



- **Services that can run on any number of hosts that have been configured for that purpose (i.e. checksumming, archiving, and transfers)**
  - The service on each host is independent of the same type of service on the other hosts, in that its configuration and status is host specific
    - For example, checksumming on one host may be suspended but may be operating just fine on the other
- **Some services exist only once and run on the host on which they were installed (i.e. Science Data Server (SDSRV) Service)**
  - The DPL Ingest GUI shows only one configuration and status entry for each of those services
    - These services are called Non-Host Services

# Monitoring – ECS Service Status (Cont.)



- Procedure
  - Select the DPL Ingest GUI **Monitoring** link
  - Select the **ECS Service Status** link

Service Host	<input type="checkbox"/> Checksum	<input type="checkbox"/> File Transfer	SCP	<input type="checkbox"/> Archive	<input type="checkbox"/> Insert Copy	<input type="checkbox"/> Insert Checksum
f4ei01	<input type="checkbox"/> active	<input type="checkbox"/> active	<input checked="" type="checkbox"/> active	<input type="checkbox"/> active	<input type="checkbox"/> active	<input type="checkbox"/> active
f4ft01	not enabled	not enabled	not enabled	<input type="checkbox"/> active	<input type="checkbox"/> active	<input type="checkbox"/> active
f4he01	<input type="checkbox"/> active	<input type="checkbox"/> active	<input checked="" type="checkbox"/> active	<input type="checkbox"/> active	<input type="checkbox"/> active	<input type="checkbox"/> active
f4om01	not enabled	not enabled	not enabled	<input type="checkbox"/> active	<input type="checkbox"/> active	<input type="checkbox"/> active

# Monitoring – ECS Service Suspend/Resume



- **Each service can be suspended or resumed**
  - **The status columns show a green (active) or red (suspended) icon**
- **Non-Host services are not tied to a particular host**
  - **These services can be suspended or resumed by simply clicking on the button next to the indicated service status**
    - **Suspending a service on a host specific location, will let all service operations of that type that are currently executing on that host complete**
    - **No new requests for that service will be dispatched to that host**

# Monitoring – PDR Lists



- **The PDR List page lists all active PDRs by Polling Location Name and PDR File Name for all PDRs submitted**
  - **Once a provider removes the PDR for the provider polling server, the PDR list will be updated to reflect this change.**
  - **Selecting a PDR from the PDR List allows the operator to re-ingest the data from the selected polling location.**

# Monitoring – Re-Ingest a PDR



- **Procedure**

- Select the DPL Ingest GUI **Monitoring** link
- Select the **PDR List** link
- Select the PDR(s) to be re-ingested
- Select **Ingest Selected PDRS Again** button.

# Interventions & Alerts

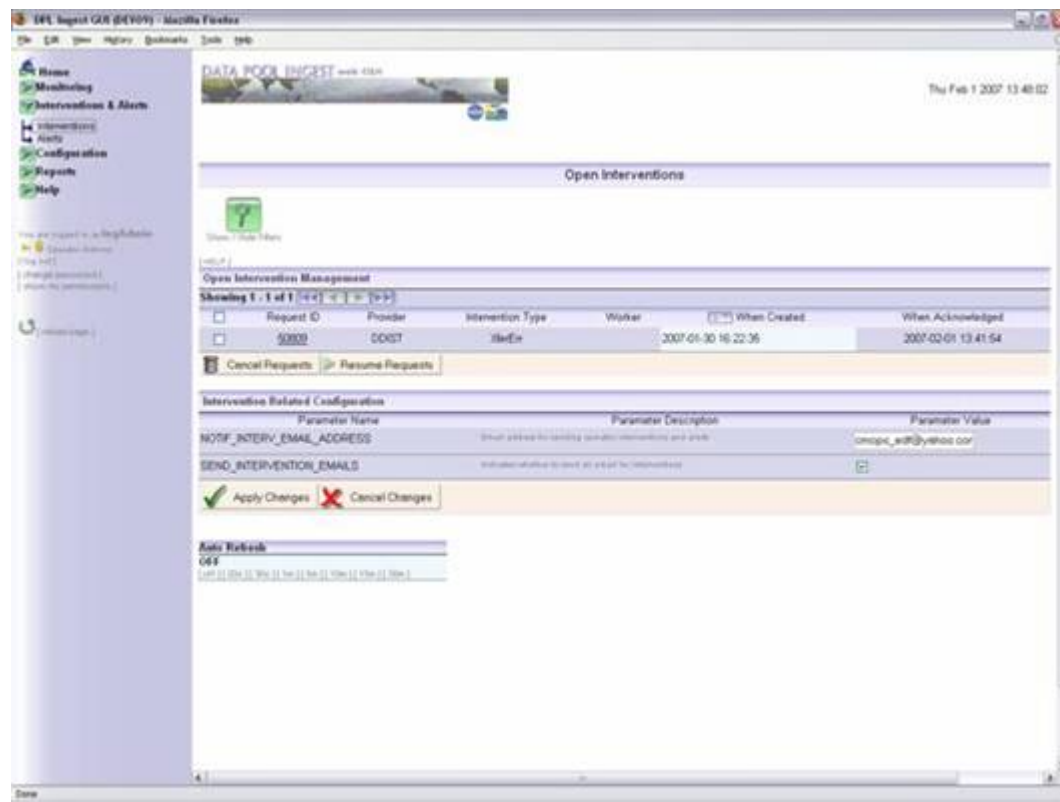


- The **Interventions & Alerts** link provides the operator access to Ingest Requests with open interventions
  - The operator may select any eligible request and either cancel the request(s) or resume the request(s)
- The **Interventions & Alerts** link displays Data Pool System Alerts as they are raised in the DPL database
  - These warn the operator when the Ingest Service runs into a problem that it believes is associated with a resource or service it is using
  - After raising an alert, the Ingest Service will check in regular intervals whether the problem has been resolved and clear the alert if that is the case
  - An alert may also be cleared manually once the operator determined that the problem has been resolved
  - An operator might do that to avoid waiting until the next auto-retry of the resource

# Open Intervention- Ingest Requests Management



- Procedure
  - Select the **Interventions and Alerts** link
  - Select the **Interventions** link
- Open Intervention Management
  - Request ID
  - Provider
  - Intervention Type
  - Worker
  - When Created
  - When Acknowledged
  - Cancel Requests
  - Resume Requests





# Open Intervention- Ingest Requests Management (Cont.)



Field Name	Description
Request ID	Unique Data Pool Ingest identifier assigned to the request in intervention
Provider	Name of the provider from which the request was obtained
Intervention Type	Type of error encountered during processing of at least one of the request granules (if there are multiple error types encountered in a single request, the type will be “MULTIPLE”)
Worker	Name of a worker assigned to address the intervention
When Created	Time the intervention was generated (which may have been after several retries after the error was first encountered)
When Acknowledged	Time the intervention was first viewed by an operator

# Open Intervention- Intervention Related Configuration



- Procedure
  - Select the **Interventions and Alerts** link
  - Select the **Interventions** link
- Open Intervention Management
  - Parameter Name
  - Parameter Description
  - Parameter Value
  - Apply Changes
  - Cancel Changes

The screenshot shows the 'Open Intervention Management' web application. The left sidebar contains a navigation menu with links: Home, Monitoring, Interventions & Alerts (selected), Alerts, Configuration, Reports, and Help. The main content area is titled 'Open Interventions' and displays a table of intervention requests. Below the table is the 'Intervention Related Configuration' section, which includes a table for configuring parameters and buttons for 'Apply Changes' and 'Cancel Changes'.

Request ID	Provider	Intervention Type	Worker	When Created	When Acknowledged
50800	EOSDIS	Alerts		2007-01-30 16:22:36	2007-02-01 13:41:54

Parameter Name	Parameter Description	Parameter Value
NOTIF_INTERV_EMAIL_ADDRESS	Email address for sending periodic intervention and alerts	cmepet_wd@yahoo.com
SEND_INTERVENTION_EMAILS	Indicates whether to send an email for intervention	<input type="checkbox"/>

Buttons: ☒ Apply Changes ☒ Cancel Changes

# Open Intervention- Change E-Mail Configuration



- Procedure
  - Enter the e- mail address in the **NOTIFY\_INTERV\_EMAIL\_ADDRESS**
  - Click on **SEND\_INTERVENTION\_EMAIL** field
  - Click on **Apply Changes** button

DATA POOL INGEST

Thu Feb 1 2007 13:48:02

Open Interventions

Open Interventions Management

Showing 1 of 1

Request ID	Provider	Intervention Type	Worker	When Created	When Acknowledged
50000	DOIST	ItEx		2007-01-30 16:22:36	2007-02-01 13:41:54

Cancel Requests Resume Requests

Intervention Related Configuration

Parameter Name	Parameter Description	Parameter Value
NOTIFY_INTERV_EMAIL_ADDRESS	Email address for sending intervention notifications and alerts	cmops_wd@synba.com
SEND_INTERVENTION_EMAILS	Indicates whether to send an email for interventions	true

Apply Changes Cancel Changes

Auto Refresh

061

1:07:11 07:11 07:11 07:11 07:11 07:11 07:11 07:11 07:11 07:11

# Open Intervention- Cancel/Resume Request



- **Procedure**
  - In the **Open Intervention Management** section click on the box next to the request to be resumed/cancelled
  - Click on the **Resume** button
    - Processing for all granules currently suspended will be resumed
    - or
  - Click on the **Cancel** button
    - Processing for all granules will be terminated
    - This action is irreversible

# Open Intervention- Detailed Page



- The **Interventions Detail** page is the operator's link to taking action on specific granules that have been intervened
  - In the **Open Intervention Management** section click on the box next to the request to be resumed/cancelled
  - The Request information contained in the Open Intervention page is listed at the top of the page
    - A list of granule(s) along with detailed information is displayed at the bottom of the page
  - An Operator Intervention remains open as long as there are suspended granules
  - Once all granules issues have been resolved, the Operator Intervention status will automatically be removed

- [illegible]

# Open Intervention- Changing Granule Status



- The **Interventions Detail** page is the operator's link to taking action on specific granules that have been intervened
- A list of granule(s) along with detailed information is displayed at the bottom of the page
  - An Operator Intervention remains open as long as there are suspended granules
  - The operator can take one of several actions to 'close' the intervention
  - The suspended granules can be failed
  - The suspended granules can be retried in one of two ways
    - Retry Granules
      - The granule is retried from the last point of processing
    - Retry Granules From Start
      - The granule is retried from the start of processing, no matter where in the processing chain it failed
  - The suspended granule(s) can be canceled

# Open Intervention- Changing Granule Status (Cont.)



- Procedure
  - Select the **Interventions and Alerts** link
  - Select the **Interventions** link
  - Click on **Request ID**
  - Click on the appropriate button
    - **Fail Selected Granules**
    - **Retry Selected Granules**
    - **Retry Selected Granules From the Start**
    - **Cancel Selected Granules**

**Open Intervention Detail**

Intervention Info [Show / Hide]

Request ID: 14921 [view details] Status: Suspended Size: 24.506 MB Priority: NORMAL No. Granules: 4 (0% completed)

Intervention Type: MULTIPLE Worked By: James Pao [ok] [Update Values]

Intervention Creation Date Time: 2006-10-30 11:53:51  
Intervention Acknowledgement Date Time: 2006-10-30 11:54:58  
When Overseed: 2006-10-30 11:53:42  
When Processing Started: 2006-10-30 11:53:44

**Operator Notes**

Added 2006-10-30 11:56:06 by **inghadmin**  
Multiple errors encountered during request processing. Assigned to James Pao for analysis. Granules will be cancelled and resubmitted pending approval by supervisor.

Added 2006-10-30 12:06:20 by **inghadmin**  
It has been decided that the granules cannot be processed and will be failed instead of cancelled.

[Add annotation...]

Ready Selected Granules [icon] Retry From Start [icon] Selected Granules [icon] Fail Selected Granules [icon] Cancel Selected Granules [icon]

**Granule List** Showing 1-4 Of 4

File Detail	Seq Number	Ingest Gran. ID	Data Type	Version	Status	Granule Size (MB)	No. Files
[checkbox] [show details]	1	15000000000389	MCC29P1D	06	Suspended [red icon]	6.148	2
Error executing the following copy command: /usr/local/ingest/OPS/CUSTOM/bin/OPS/copyExec /home/crmshared/PDR/scripts/TEMP/OPS/criteria_1420_MCD_r1.116227186.55036.ROEN.hdf.met /datapool/OPS/SuseFS1/temp/ingest/14921/15000000000389/4096.3							
[checkbox] [show details]	3	15000000000390	MCC29P1D	06	Successful	6.148	2
[checkbox] [show details]	4	15000000000391	MCC29P1D	06	Successful	6.144	2
[checkbox] [show details]	2	15000000000389	MCC29P1D	06	ProgressErr	6.144	2
Metadata validation failed with error: Metadata validation failed with reason: Failure reason: Error obtaining RVDENTRY/METADATA from the descriptor, Failed by Operator							



# Alerts – Viewing System Alerts



- Procedure
  - Select the **Interventions and Alerts** link
  - Select the **Alerts** link
- Alert Management
  - Alert Details
  - Alert Description
  - Alert Type
  - Resource
  - Resource Type
  - Creation Time

**Alerts**

You are logged in as IngAdmin  
Operator Actions:  
[ log out ]  
[ change password ]  
[ show my permissions ]

[ reload page ]

**Alert Management**

<input type="checkbox"/> Alert Details	Alert Description	Alert Type	Resource	Resource Type	Server Name	Creation Time
<input type="checkbox"/> [showhide]	Failure to connect with an ECS service	SRVC_CANNOT_CONNECT	HM01	FILE_TRANSFER	Processing	2007-01-30 16:21:54

**Alert Related Configuration**

Parameter Name	Parameter Description	Parameter Value
ALERT_EMAIL_ADDRESS	Email address to which alert emails will be sent	cmops_edr@yahoo.com
SEND_ALERT_EMAILS	Indicates whether pending alert emails is active	<input checked="" type="checkbox"/>

**Auto Refresh**

http://localhost:8004/INGEST\_GUI/faces/EcdInGaAlerts.jsp

# Alerts – Viewing System Alerts (Cont.)



- **Alert Related Configuration**
  - Parameter Name
  - Parameter Description
  - Parameter Value

**Alert Management**

<input type="checkbox"/>	Alert Details	Alert Description	Alert Type	Resource	Resource Type	Server Name	Creation Time
<input type="checkbox"/>	[show/hide]	Failure to connect with an ECS service	SRVC_CANNOT_CONNECT	HH01	FILE_TRANSFER Processing		2007-01-30 16:21:54

**Alert Related Configuration**

Parameter Name	Parameter Description	Parameter Value
ALERT_EMAIL_ADDRESS	Email address to which alert emails will be sent	cmops_edr@yahoo.com
SEND_ALERT_EMAILS	Indicates whether sending alert emails is active	<input checked="" type="checkbox"/>

**Auto Refresh**

http://localhost:8004/INGEST\_GUI/faces/EcdInGaAlerts.jsp

# Alert - Change Alert E-Mail Configuration



- Procedure
  - Enter the e-mail address in the **ALERT\_EMAIL\_ADDRESS**
  - Click on **SEND\_ALERTS\_EMAIL** field
  - Click on **Apply Changes** button

**Alerts**

You are logged in as **ingAdmin**  
[ log out ]  
[ change password ]  
[ show my permissions ]

**Alert Management**

<input type="checkbox"/>	Alert Details	Alert Description	Alert Type	Resource	Resource Type	Server Name	Creation Time
<input type="checkbox"/>	[show/hide]	Failure to connect with an ECS service	SRVC_CANNOT_CONNECT	44001	FILE_TRANSFER Processing		2007-01-30 16:21:54

**Alert Related Configuration**

Parameter Name	Parameter Description	Parameter Value
ALERT_EMAIL_ADDRESS	Email address to which alert emails will be sent	cmops_edr@yahoo.com
SEND_ALERT_EMAILS	Indicates whether sending alert emails is active	<input checked="" type="checkbox"/>

**Auto Refresh**

http://localhost:8004/INGEST\_GUI/faces/EcdInGaAlerts.jsp

# Alerts – Viewing Detail System

## Alerts Information



- **Procedure**

- Select the **Interventions and Alerts** link
- Select the **Alerts** link
- Click on the **Show/Hide**

- **Alert Details**

(If Resource type is archive or file system)

- **Symptom**
- **Data Providers affected**
- **Number of PDRs**
- **Number of Granules**
- **Total amount of data queued**
- **Total amount of data processing**

**Alert Management**

Alert Details	Alert Description	Alert Type	Resource	Resource Type	Server Name	Creation Time
<input type="checkbox"/> [show/hide]	Failure to connect with an ECS service	SRVC_CANNOT_CONNECT	HR01	FILE_TRANSFER Processing		2007-01-30 16:21:54

**Alert Related Configuration**

Parameter Name	Parameter Description	Parameter Value
ALERT_EMAIL_ADDRESS	Email address to which alert emails will be sent	cmops_edr@yahoo.com
SEND_ALERT_EMAILS	Indicates whether sending alert emails is active	<input checked="" type="checkbox"/>

Apply Changes [X] Reset

Auto Refresh

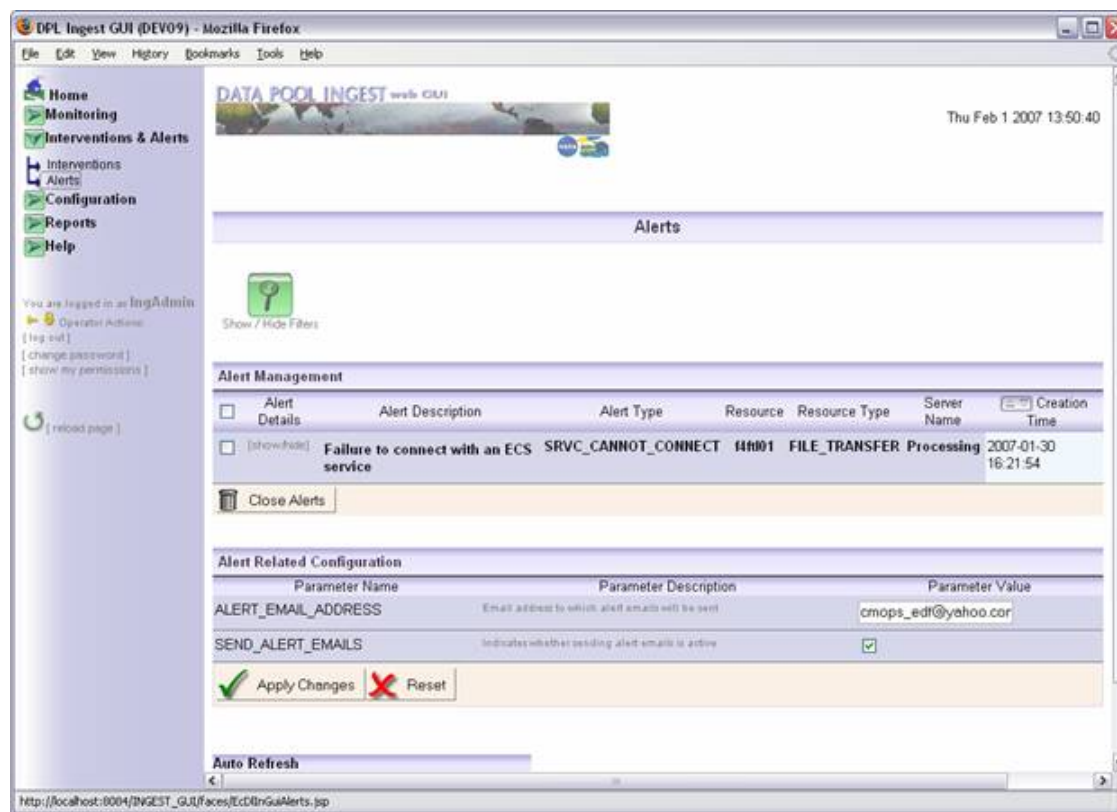
**Alert Details**

Alert Description	Alert Type	Resource	Resource Type	Creation Time
<p>The error response indicates that the file system is down</p> <p><b>Symptom :</b> Error DPL file system: /datapool/DEV01/user/FS3/ is down.</p> <p><b>Impact :</b></p> <p>Data Providers affected : None</p> <p>Number of PDRs : 0</p> <p>Number of granules : 0</p> <p>Total amount of data queued : 0.000 MB</p> <p>Total amount of data processing : 0.000 MB</p>	DPL_FS_DOWN	FS3	DPL_FILE_SYSTEM	2006-10-27 08:44:21

# Alerts – Clearing an Alert



- Procedure
  - Select the **Interventions and Alerts** link
  - Select the **Alerts** link
  - Click on **Alert (s)** to be cleared
  - Click on the **Close Alert** button
  - Select **OK** to the Confirmation prompt



# Modifying Configurations



- **The DPL Ingest Configuration pages provide the full-capability operator with a means of modifying (if necessary) the values assigned to the following types of DPL Ingest configuration parameters:**
  - **Providers**
  - **Data Types**
  - **Transfer Hosts**
  - **File Systems**
  - **ECS Services**
  - **Global Tuning**
  - **Volume Groups**
  - **Operators**



# Modify Configuration Providers



- The Provider Configuration page lists all of the Data Providers for the DPL Ingest System along with the following selected attributes for each Provider
  - Checksum Mandatory
  - % Files To Checksum
  - Default Priority
  - Notification Method
- Providers can be selected, edited and removed

DPL Ingest GUI (DEV09) - Mozilla Firefox

DATA POOL INGEST web GUI

Thu Feb 1 2007 13:52:43

Provider Configuration

<input type="checkbox"/>	Provider	Checksum Mandatory	% Files To Checksum	Default Priority	Notification Method
<input type="checkbox"/>	<a href="#">AMSR_E_SIPS</a>	<input checked="" type="checkbox"/>	100%	NORMAL	FTP
<input type="checkbox"/>	<a href="#">ASTER_GDS</a>	<input checked="" type="checkbox"/>	100%	VHGH	EMAIL
<input type="checkbox"/>	<a href="#">ASTER_QSE</a>	<input checked="" type="checkbox"/>	100%	NORMAL	FTP
<input type="checkbox"/>	<a href="#">EO1</a>	<input checked="" type="checkbox"/>	100%	NORMAL	EMAIL
<input type="checkbox"/>	<a href="#">ERSSTv2</a>	<input checked="" type="checkbox"/>	0%	VHGH	EMAIL
<input type="checkbox"/>	<a href="#">EOS</a>	<input checked="" type="checkbox"/>	100%	VHGH	EMAIL
<input type="checkbox"/>	<a href="#">ICESAT</a>	<input checked="" type="checkbox"/>	100%	NORMAL	FTP
<input type="checkbox"/>	<a href="#">JPL</a>	<input checked="" type="checkbox"/>	100%	NORMAL	FTP
<input type="checkbox"/>	<a href="#">MCOAP'S AQUA_FPROC</a>	<input checked="" type="checkbox"/>	100%	NORMAL	EMAIL/FTP
<input type="checkbox"/>	<a href="#">MCOAP'S COMBINE_FPROC</a>	<input checked="" type="checkbox"/>	100%	NORMAL	FTP
<input type="checkbox"/>	<a href="#">MCOAP'S TERRA_FPROC</a>	<input checked="" type="checkbox"/>	100%	NORMAL	EMAIL
<input type="checkbox"/>	<a href="#">NSDC_DAAC</a>	<input checked="" type="checkbox"/>	100%	NORMAL	EMAIL
<input type="checkbox"/>	<a href="#">S4P00</a>	<input checked="" type="checkbox"/>	100%	NORMAL	EMAIL

☒ Remove Selected Providers ☒ Add A Provider...

Done

# Modifying Configuration – Edit Provider



- Procedure
  - Select the **Configuration** link
  - Select the **Providers** link
  - Click on the **Provider ID**
  - Click on the parameter to be changed and make the change
  - Select the **Apply Changes** button
  - Select **OK** to the Confirmation prompt

DPL Ingest GUI (DEV08) - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://f4hel01.hlrc.com:22500/Ingest\_DEV08/faces/EcdInGulLogin.jsp

Firefox Help Firefox Support Plug-in FAQ

Junior Golf Clubs: Lynx Junior Set How Do I Know Which Golf Clubs to Buy? DPL Ingest GUI (DEV08) Google News

**Edit a Provider**

Name: MODAPS\_AQUA\_FPROC

Provider Type: Polling with DR

Checksum Mandatory: ☐

% Files to Checksum: 100 [0-100]

Default Priority: VHIGH(235)

Preprocessing Type: SIPS

Max Active Data Volume: 3750.000 MB [help]

Max Active Granules: 30 [help]

Transfer Type: Ftp [help]

Read Info

Read Login ID: ins

Edit Password: ☐

FTP Mode: Passive

Notification Method: Email And Ftp

E-Mail Info

E-Mail address: cmdex08@yahoo.com

Write Info

Done

start 609 Section 4.6.1 ... DPL Ingest GUI (DEV... LARC\_720 609end100s040601 ... Search with Google 2:29 PM



# Modifying Configurations – Edit Polling Location



- Procedure

- Select the **Configuration** link
- Select the **Providers** link
- Click on the **Provider ID**
- Scroll to bottom of information panel
- Click on the **Polling Location Name**
- Update information as appropriate
- Select the **Apply Changes** button
- Select **OK** to the Confirmation prompt

Existing Polling Locations		
<input type="checkbox"/>	Name	Address
<input type="checkbox"/>	Polling_AMSR_E_SIPS	f4ei01
<input checked="" type="checkbox"/>	Remove Selected Polling Locations	
<input checked="" type="checkbox"/>	Add A Polling	

Edit a Polling Location													
Parent Provider: MODAPS_TERRA_FPROC													
Polling Location Name:	<input type="text" value="Polling_MODAPS_TERRA_FPROC"/> [help]												
Source Polling Path:	<input type="text" value="/usr/ecs/OPS/CUSTOM/data/dplng"/> [help]												
Polling Frequency:	<input type="text" value="120"/> [seconds] [help]												
DPL Ingest Enabled:	<input checked="" type="checkbox"/>												
Polling Method:	<input type="text" value="FTP Host"/>												
Host Name:	<input type="text" value="LPDAAC"/> [help]												
<table><tr><td>Name:</td><td>LPDAAC</td></tr><tr><td>FTP Mode:</td><td>PASSIVE</td></tr><tr><td>Address:</td><td>f3drg01</td></tr><tr><td>Max FTP Operations:</td><td>30</td></tr><tr><td>Timeout:</td><td>yes (300s)</td></tr><tr><td>Auto Retry:</td><td>yes (30s)</td></tr></table>		Name:	LPDAAC	FTP Mode:	PASSIVE	Address:	f3drg01	Max FTP Operations:	30	Timeout:	yes (300s)	Auto Retry:	yes (30s)
Name:	LPDAAC												
FTP Mode:	PASSIVE												
Address:	f3drg01												
Max FTP Operations:	30												
Timeout:	yes (300s)												
Auto Retry:	yes (30s)												
<input checked="" type="checkbox"/> Apply Changes	<input checked="" type="checkbox"/> Reset												

# Modifying Configuration – Add a Provider



- The Provider Configuration page lists all of the Data Providers for the DPL Ingest System along with the following selected attributes for each Provider
- New Providers can be added from this page, by selecting the Add Provider button

DATA POOL INGEST web GUI

Thu Feb 1 2007 13:52:43

Provider Configuration

Provider	Checksum Mandatory	% Files To Checksum	Default Priority	Notification Method
<input type="checkbox"/> AMSR_E_SIPS		100%	NORMAL	FTP
<input type="checkbox"/> ASTER_GDS		100%	VHIGH	EMAIL
<input type="checkbox"/> ASTER_QSF		100%	NORMAL	FTP
<input type="checkbox"/> COAST		100%	NORMAL	EMAIL
<input type="checkbox"/> ECOSystExpert		0%	VHIGH	EMAIL
<input type="checkbox"/> EOSDIS		100%	VHIGH	EMAIL
<input type="checkbox"/> KESAT		100%	NORMAL	FTP
<input type="checkbox"/> JPL		100%	NORMAL	FTP
<input type="checkbox"/> MODAPS AQUA_FPROC		100%	NORMAL	EMAIL/FTP
<input type="checkbox"/> MODAPS COMBINE_FPROC		100%	NORMAL	FTP
<input type="checkbox"/> MODAPS TERRA_FPROC		100%	NORMAL	EMAIL
<input type="checkbox"/> NSIDC DAAC		100%	NORMAL	EMAIL
<input type="checkbox"/> SAFPOO		100%	NORMAL	EMAIL

Remove Selected Providers Add A Provider...

# Modifying Configuration – Add a Provider (Cont.)



- Procedure
- On the **Add a Provider** page enter the following Data Provider parameters
  - Enter the **Name**
  - If EDOS, select **EDOS** from the **Provider Type** box. This will automatically lock in certain parameters (ie, Preprocessing Type – None, Transfer Type- FTP Only)
  - If EMOS, select **Polling Without DR** from the **Provider Type** box. Checksum is not performed for this data, **Preprocessing Type** is automatically set to **None**

DPL Ingest GUI (DEV08) - Mozilla Firefox

http://f4hel01.hitc.com:22500/Ingest\_DEV08/faces/EcdInGuiLogin.jsp

Firefox Help Firefox Support Plug-in FAQ

Junior Golf Clubs: Lynx: Junior Set How Do I Know Which Golf Clubs to Buy? DPL Ingest GUI (DEV08) Google News

**Add a Provider**

Name:

Provider Type: **Polling with DR**

Checksum Mandatory: ☐

% Files to Checksum:  [0-100]

Default Priority: **VHIGH(235)**

Preprocessing Type: **SIPS**

Max Active Data Volume:  MB [help]

Max Active Granules:  [help]

Transfer Type: **Local** [help]

**Read Info**

Read Login ID:  [help]

Read Login Password:  [help]

Confirm Read Login Password:

FTP Mode: **Passive**

Notification Method: **Email Only**

**E-Mail Info**

E-Mail address:

Done

start > 609 Section 4.6.1 ... DPL Ingest GUI (DEV... LARC\_720 609emd100s040601 ... Search with Google 2:31 PM

# Modifying Configuration – Add a Provider (Cont.)



- **Procedure (Cont.)**
  - Select **Checksum Mandatory**
  - Enter **% Files To Checksum**
  - Enter **Default Priority**
    - Low, Normal, High, VHigh, Xpress
  - **Select Preprocessing Type**
    - NONE
    - SIPS
    - DDIST
  - Enter **Max Active Data Volume**
  - Enter **Max Active Granules**
  - **Select Transfer Type**
    - Local
    - FTP
    - Scp using F-Secure and no cipher
    - Scp using F-Secure and cipher aes128
    - Scp using F-Secure and cipher des

Transfer Type: Local [ help ]

- Local
- Ftp
- Scp using F-Secure and no cipher
- Scp using OpenSSH and cipher aes128
- Scp using OpenSSH and cipher des

Confirm Read Login Password: [ ] [ help ]

# Modifying Configuration – Add a Provider (Cont.)



- Procedure (Cont.)
  - Select **Notification Method**
    - Email Only
    - FTP Only or SCP Only
    - FTP Host
    - Local
  - Select **Add This Provider**
  - Select **OK** to confirm

DPL Ingest GUI (DEV09) - Mozilla Firefox

DATA POOL INGEST

Thu Feb 1 2007 13:54:09

Edit a Provider

Name: JPL

EDOS: ☐

Checksum Mandatory: ☐

% of Checksum Files: 100 (0-100)

Default Priority: XPRESS(55)

Preprocessing Type: SIPS

Max Active Data Volume: 37500.000 MB (1 MB)

Max Active Granules: 30 (1 MB)

Transfer Type: Local (1 MB)

Notification Method: Ftp Only

Write Info

Write Login User ID: jns

Edit Password: ☐

Path: /usr/local/DEV01/CUSTOM/4ins/4e101/data/

Choose Host: NSDC (1 MB)

Name	NSDC
FTP Mode	ACTIVE
Address	4e101
Max FTP Operations	4
Timeout	yes (300s)
Auto Retry	yes (300s)

Read Info

Read Login ID:

Edit Password: ☐

Apply Changes Reset

# Modifying Configurations – Add a Polling Location



## • Procedure

- Select the **Provider** name
- Scroll to the bottom of the page and select the **Add A Polling Location** button
- Enter the **Polling Location Name**
- Enter the **Source Polling Path**
- Enter the **Polling Frequency**
- Choose the **Polling Method**
  - Local Disk, FTP Host, SCP Host
- Enter **New Host Parameters**
  - Label, Address
- Select **Add Polling Location** button
- Select **OK** to the Confirmation prompt

	Name	Address
<input type="checkbox"/>	Polling_AMSR_E_SIPS	f4eil01

**Add a Polling Location**

Parent Provider: EXP\_EDOS

Polling Location Name: [text box] [help]

Source Polling Path: [text box] [help]

Polling Frequency: [text box] [seconds] [help]

DPL Ingest Enabled: ☐

Polling Method: FTP Only

Host Name: [Define New Host ...] [help]

**New Host Parameters**

Label: [text box] [the label for this host]

Address: [text box] [the DNS name or IP address and port]

Max. Operations: 5 [max. concurrent Operations]

Timeout: ☒ [enable host timeout]

Expected Throughput: 3,000 [Minimum expected throughput, in MB/s]

Pad Time: 30 [seconds]

Auto Retry: ☒ [enable automatic retry when Host is suspended]

Retry Interval: 120 [seconds]

# Modifying Configurations – Data Type Default Retention



- Procedure
  - Select the **Configuration** link
  - Select **Data Types** link
  - Enter the **Default DPL Retention Value**
- or
  - Enter the **Default Hidden DPL Retention Value**
  - Select **Apply Changes** button
  - Select **OK** to the Confirmation prompt

DATA POOL INGEST with EOS

The Feb 1 2007 14:06:09

### Data Type Configuration

Default Data Type Configurations

Parameter Name	Description	Value
DEFAULT_DPL_RETENTION	Default Data Pool retention time in seconds (0 to 65535)	3
DEFAULT_HIDDEN_DPL_RETENTION	Default Hidden Data Pool retention time in seconds (0 to 65535)	3

☒ Apply Changes ☐ Reset

### Data Types With DPL Ingest Configurations

Short Name	Version ID	Public W Data Pool	Public Priority	Public Retention Time (sec)	Hidden Retention Time (sec)
<input type="checkbox"/> ACRSL2DM	001	<input checked="" type="checkbox"/>	144	1	4
<input type="checkbox"/> AEPGEIWM	001	<input checked="" type="checkbox"/>	144	1	4
<input type="checkbox"/> AEPGEIWM	006	<input checked="" type="checkbox"/>	144	1	4
<input type="checkbox"/> AEPGEIWM	006	<input checked="" type="checkbox"/>	144	1	4
<input type="checkbox"/> AE_SDSno	006	<input checked="" type="checkbox"/>	144	1	4
<input type="checkbox"/> AE_DySno	006	<input checked="" type="checkbox"/>	144	1	4
<input type="checkbox"/> AE_DySno	006	<input checked="" type="checkbox"/>	144	1	4
<input type="checkbox"/> AE_L2A	006	<input checked="" type="checkbox"/>	144	1	4
<input type="checkbox"/> AE_Land	006	<input checked="" type="checkbox"/>	144	1	4
<input type="checkbox"/> AE_Land	006	<input checked="" type="checkbox"/>	144	1	4
<input type="checkbox"/> AE_MySno	006	<input checked="" type="checkbox"/>	144	1	4
<input type="checkbox"/> AE_MySno	006	<input checked="" type="checkbox"/>	144	1	4
<input type="checkbox"/> AE_Ocean	006	<input checked="" type="checkbox"/>	144	1	4

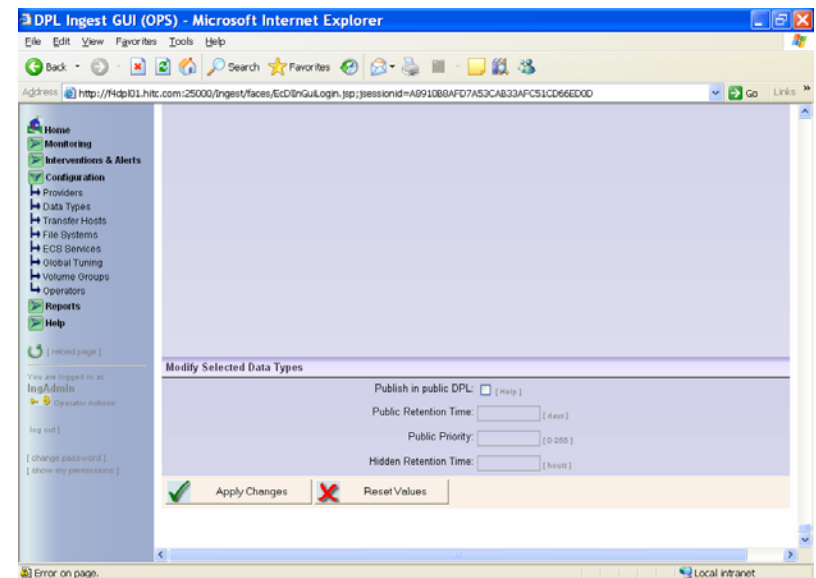
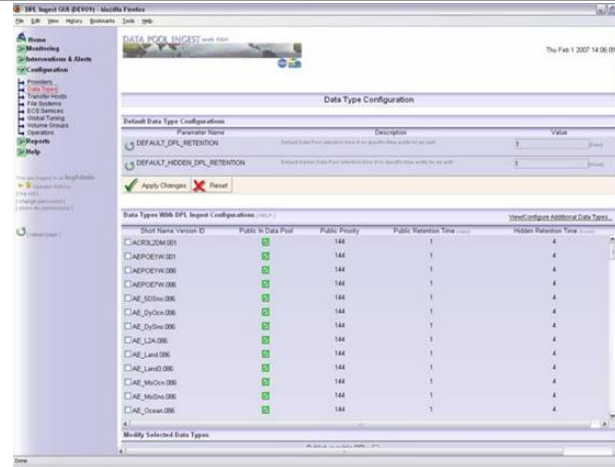
Modify Selected Data Types



# Modifying Configurations – Data Type Attributes



- Procedure
  - Select the **Configuration** link
  - Select **Data Types** link
  - Select the box next to the **Short Name ID**
  - Scroll to the bottom of the page
  - Make the desired changes for the parameters listed
    - If **Publish in public Data Pool** is enabled, **Public Retention Time** must be entered
    - Otherwise, enter **Hidden Retention Time**
  - Select **Apply Changes** button
  - Select **OK** to the Confirmation prompt





# Modifying Configurations – Transfer Host



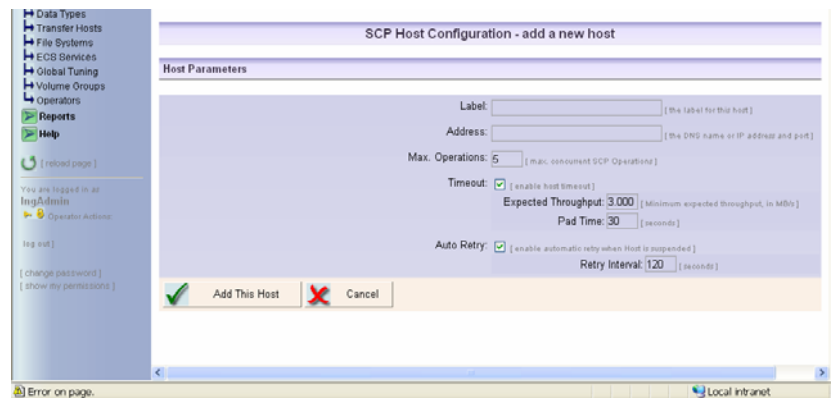
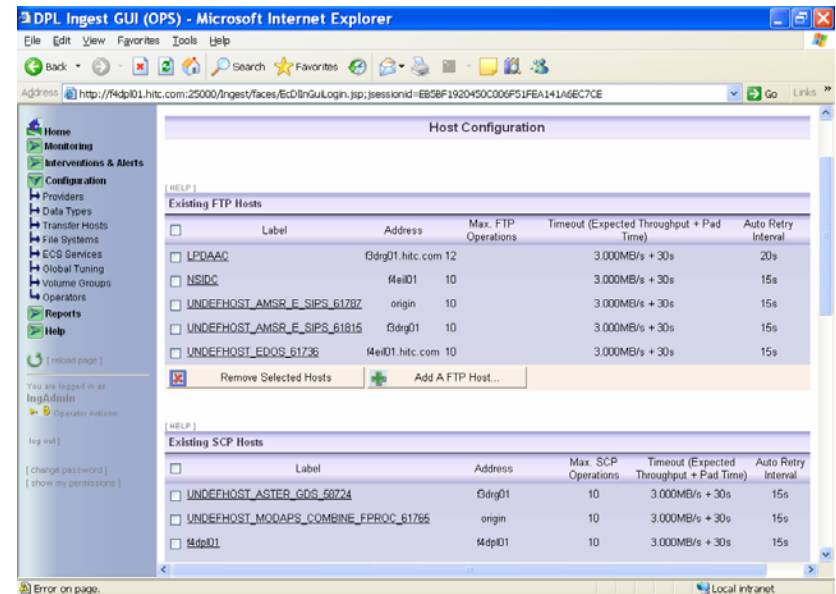
- **The Configuration Transfer Host link allows the operator to manage SCP and FTP hosts for general use in the Data Pool Ingest system**
- **If the host ip-addresses are referenced within PDRs as the source locations for granule files, DPL Ingest will automatically refer to their definition to obtain time out and retry parameters**
- **The Ingest operator is able to define default time-out and retry parameters for SCP or FTP hosts**
- **If a request is sent through processing with a host configured in the PDR that does not show up on the GUI, a new host will automatically be added**
  - **Default host configuration parameters will be applied to the new host until the operator chooses to modify them**

# Modifying Configurations – Add SCP or FTP Host



## • Procedure

- Select the **Configuration** link
- Select **Transfer Host** link
- In the **Existing FTP Host** or **Existing SCP Hosts** section, Select **Add A [FTP/SCP] Host** button
- Enter **Unique Name** in the **Label** field
- Enter the **IP Address** in the **Address** field
- Enter the **Max. Operations** parameter
- If **Timeout** is selected, enter the **Expected Throughput** and **Pad Time** parameters
- If **Auto Retry** is selected, enter the **Retry Interval**
- Select **Add This Host** button



# Modifying Configurations – File System



- **The File System Configuration page allows:**
  - The operator to configure warning thresholds for regular file system or archive file systems
  - The operator to configure suspension thresholds for regular file system or archive file systems

# Modifying Configurations – File System (Cont.)



- Procedure
  - Select the **Configuration Link**
  - Select **File System** link
  - All File Systems are displayed with the following thresholds:
    - **Cache Warning Threshold**
    - **Cache Full Threshold**
    - **Cache Warning Low Watermark**
    - **Displays Cache Full Low Watermark**
  - Make changes
  - Select the **Update** button

**File System Configuration**

File System	Cache Warning Threshold	Cache Full Threshold	Cache Warning Low Watermark	Cache Full Low Watermark
ARCHIVE12	95	99	80	85
ARCHIVE13	95	100	80	85
ARCHIVE14	95	97	80	85
Amis1	99	100	97	98
Browfs	on			

# Modifying Configurations – ECS Services



- **The ECS Services Configuration page allows the operator to:**
  - **Configure the parameters of ECS services on a specific host**
    - A default checksum type and algorithm can also be set for use by the checksumming service hosts
  - **To select the host from which the Science Data Server will be run**
  - **The ECS Services Configuration page contains the following three sections**
    - Checksum Type and Algorithm Configuration
    - Host Used For SDSRV Operations
    - ECS Service Host Configuration

# Modifying Configurations – ECS Services (Cont.)



Field Name	Entry	Description
Label	Required	A unique name for the ECS Service host, preferably based on the actual host name.
Address	Required	The IP address (e.g., 127.5.2.88) or canonical name (e.g., f4eil01.hitc.com) of the host.
Port	Required	The port number associated with this service. Hint: the port can be determined by looking at the quickserver's configuration file.
Max. CPU Operations	Required	The total maximum number of checksum operations that may be performed on this host.
Auto Retry	Optional	Whether or not to automatically retry processing of actions for all services enabled on this host.
Comment	Optional	The description of the host and its services.
Checksum:		
Enable this service	Optional	Whether or not to use this service.
Max. Concurrent Checksum Operations	Required if enabled	The maximum number of concurrent checksum operations that may be performed on this host at any one time.
Expected Throughput	Required if enabled	The expected data throughput for checksum operations. This is to identify stuck operations,
Checksum Timeout Pad Time	Required if enabled	The additional delay for a checksum operation before it is considered timed-out.

# Modifying Configurations – ECS Services (Cont.)



File Transfer:		
Enable this service	Optional	Whether or not to use this service.
Enable SCP	Optional	Whether or not to use SCP as the file transfer method.
Max Concurrent File Transfers	Required if enabled	The maximum number of concurrent file transfers that may be executed on this host.
Archiving:		
Enable this service	Optional	Whether or not to use this service.
Max Concurrent Archive Operations	Required if enabled	The maximum number of concurrent archive operations that may be executed on this host.
Expected Throughput	Required if enabled	The expected data throughput for archive operations. This is to identify stuck operations.
Archive Timeout Pad Time	Required if enabled	The additional delay for an archive operation before it is considered timed-out.
Insert Checksum:		
Max. Concurrent Insert Checksum Operations:	Optional	The maximum number of concurrent Insert Checksum operations that may be executed on this host.
Insert Copy		
Max. Concurrent Insert Copy Operations	Required	The maximum number of concurrent Insert Copy operations that may be executed on this host.
Expected Throughput	Required	The expected data throughput for Insert Copy operations. This is to identify stuck operations.
Insert Timeout Pad Time	Required	The additional delay for an Insert Copy operation before it is considered timed-out.

# Modifying Configurations – Add Checksum Type



- Procedure
  - Select the **Configuration Link**
  - Select **ECS Services Link**
  - In the Checksum Types and Algorithms, click on the **Add** button
  - Click in the input box next to **Type** and enter the Checksum Type
  - Click in the input box next to **Algorithm** and enter the Algorithm location
  - Select the **OK** button

**ECS Services Configuration**

Checksum Types And Algorithms (help)

Type	Algorithm	Default
<input type="checkbox"/> CKSUM	/usr/bin/cksum	<input checked="" type="radio"/>
<input type="checkbox"/> MD5	/usr/ecs/DEV01/CUSTOM/bin/COM/md5sum	<input type="radio"/>

Remove Add Update Reset

Host Used For SDSRV Operations

ECS Host: Hsps01

Update

Hosts Used For ECS Services

Name	Address	Comments	Checksum	File Transfer	SCP	Archive	Max. Insert Checksum Operations	Max. Insert Copy Operations
<input type="checkbox"/> Hdp01	Hdp01	no comment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5	5
<input type="checkbox"/> H4e01	H4e01	External Interface	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4	4
<input type="checkbox"/> H4801	H4801	External Interface	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4	4
<input type="checkbox"/> H4he01	H4he01	no comment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4	4
<input type="checkbox"/> H4sp01	H4sp01	no comment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4	4

Remove Selected Hosts Add ECS Service Host



# Modifying Configurations – Update Host Used For SDSVR



- Procedure
  - Select the **Configuration Link**
  - Select **ECS Services Link**
  - In the **Update Hosts Used For SDSVR Operation** section, select the desired host name from the pull-down window
  - In the **Update Hosts Used For SDSVR Operation** section select the **Update** button

Name	Address	Comments	Checksum	File Transfer	SCP	Archive	Max. Insert Checksum Operations	Max. Insert Copy Operations
f4dp01	f4dp01	no comment	5	5	5	5	5	5
f4e01	f4e01	External Interface	5	5	5	5	4	4
f4h01	f4h01	External Interface	5	5	5	5	4	4
f4he01	f4he01	no comment	4	10	4	4	4	4
f4sp01	f4sp01	no comment	4	0	0	4	4	4

# Modifying Configurations – Add ECS Service Host Type



- Procedure
  - Select the **Configuration Link**
  - Select **ECS Services Link**
  - In the **Hosts Used For ECS Services** section, click on the **Add ECS Service Host** button
  - Enter the **Global Parameters**
  - Enter the **Checksum** parameters
  - Enter the **File Transfer** parameters
  - Enter the **Archiving** parameters

# Modifying Configurations – Add ECS Service Host Type (Cont.)



- Procedure (Cont.)
  - Enter the **Insert Checksum** parameter
  - Enter the **Insert Copy** parameters
  - Select the **Add This Service Host** button
- Note: An existing service host may be edited by clicking on the **[Name]** of the desired host located in the **Hosts Used For ECS Services** section.

The screenshot shows the DPL Ingest GUI (DEV09) in a Mozilla Firefox browser window. The page title is "DATA POOL INGEST web GUI". The date and time are "Thu Feb 1 2007 14:44:20".

**ECS Services Configuration**

**Checksum Types And Algorithms [ Help ]**

Type	Algorithm	Default
<input type="checkbox"/> CKSUM	/usr/bin/cksum	<input checked="" type="radio"/>
<input type="checkbox"/> MD5	/usr/local/DEV01/CUSTOM/bin/COM/md5sum	<input type="radio"/>

Buttons: Remove, Add, Update, Reset

**Host Used For SDSRV Operations**

ECS Host: f4sp01

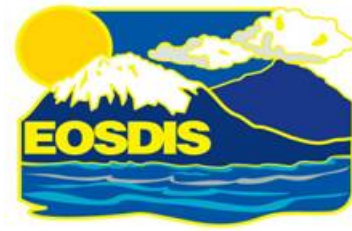
Update

**Hosts Used For ECS Services**

Name	Address	Comments	Checksum	File Transfer	SCP	Archive	Max. Insert Checksum Operations	Max. Insert Copy Operations
<input type="checkbox"/> f4dp01	f4dp01	no comment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5	5
<input type="checkbox"/> f4el01	f4el01	External Interface	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4	4
<input type="checkbox"/> f4hd01	f4hd01	External Interface	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4	4
<input type="checkbox"/> f4he01	f4he01	no comment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4	4
<input type="checkbox"/> f4sp01	f4sp01	no comment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4	4

Buttons: Remove Selected Hosts, Add ECS Service Host...

# Modifying Configurations – Change Global Tuning



- **The Global Tuning link allows the operator to configure the Parameter Name and Value of the global tuning parameters in the Data Pool Ingest database**
- **Three sections for Global Tuning**
  - **Global Admin Tuning Parameters**
    - Requires Ingest Admin Tuning privileges
  - **Global Tuning Parameter Configuration**
    - Requires Tuning privileges
  - **Database Connection Configuration**
    - Requires Tuning privileges
- **Dynamic parameters are those that are applied to the Ingest Service without having to restart the Ingest Service**
- **Static parameters are those that require the Ingest Service to be restarted**

# Modifying Configurations – Change Global Tuning (Cont.)



- Procedure

- Reminder: Must have special **Ingest Admin** or **Tuning** permissions
- Select the **Configuration** link
- Select the **Global Tuning** link
- In the **Value** field of the Parameter to be changed enter the new value
- Click the **Apply Changes** button
- Select **OK**

DPL Ingest GUI (DEV09) - Mozilla Firefox

DATA POOL INGEST web GUI

Thu Feb 1 2007 15:32:55

### Global Tuning

[HELP]

Parameter Name	Description	Value
ARCHIVE_CACHE_CHECK_INTERVAL	Number of seconds between checks of archive cache	60
DEFAULT_ALERT_RETRY_SECS	Default number of seconds to wait in between retrying a situation that caused a suspension	10
GET_DPL_SPACE_MINS	Number of minutes to wait in between refreshing DPL free space info	2
MAX_RETRY_CHECKSUM_VERIFY	Maximum number of allowable retries for a checksum verification error	10
MINS_TO_KEEP_COMPLETED_MESSAGES	Number of minutes to keep completed messages in the database	60
MINS_TO_KEEP_COMPLETED_REQS	Number of minutes before a completed request qualifies for archival	40
MONTHS_TO_KEEP_HIST_STATS_ALERTS	The retention time in months for keeping historic information for requests, alerts and throughput statistics	3
NUM_RETRIES_UR_ERROR	Number of times to retry UR Translation due to an error	6
RETRY_SECS_UR_ERROR	Number of seconds to wait in between retrying UR Translation on error	30

### Global Tuning Parameter Configuration

Parameter Name	Description	Value
DEFAULT_NUM_RETRIES	Default number of retries for an error condition where no error-specific number exists	3
DEFAULT_RETRY_INTERVAL	Default retry interval (seconds) where no error-specific interval exists	5
EDOS_SUCCESSFUL_PAN_DIR	EDOS directory in which successful PANs are to be stored	
FAILED_CHECKSUM_HOLDING_DIR	Location of files that failed checksum verification	/usr/ecs/DEV01/CUSTOM

Read localhost

# Modifying Configurations – Volume Groups

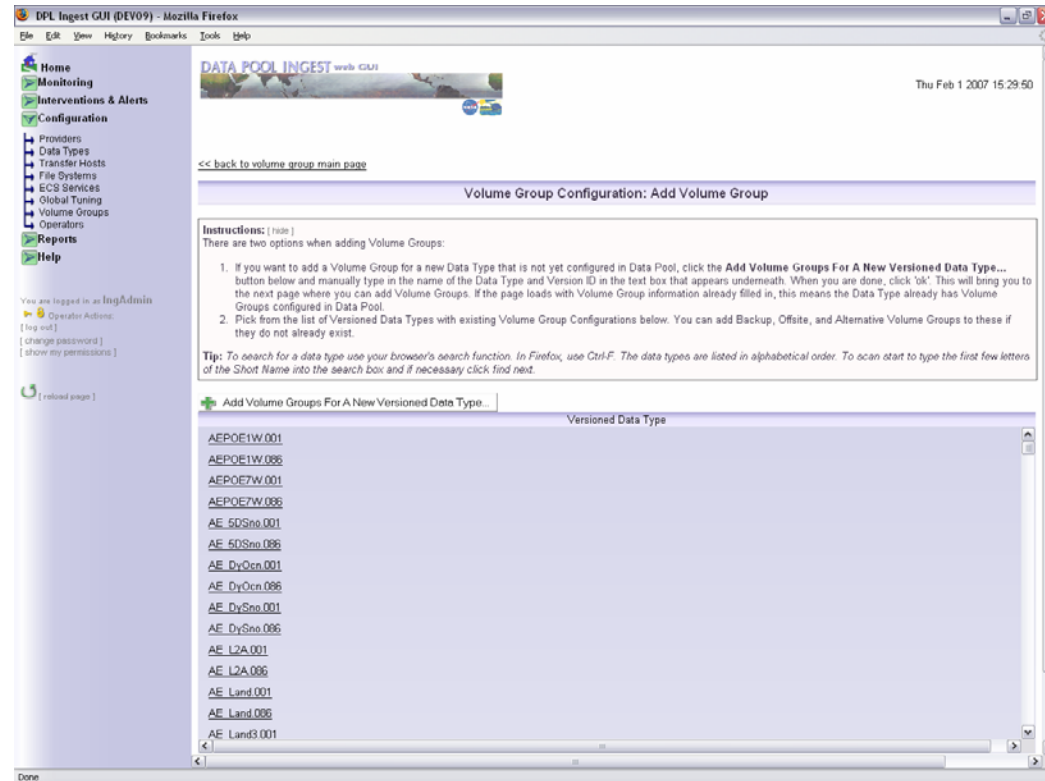


- **The Volume Group configuration in the DPL Ingest GUI is the same functionality that existed in the STMGT GUI tab prior to release 7.20**
- **The Volume Groups Configuration page is divided into four distinct columns**
  - **Volume Group name**
  - **Path**
  - **HWCI**
  - **Selection date for that volume group**

# Modifying Configurations – Add Volume Groups- New Data Type



- **Procedure**
  - Select the **Configuration** link
  - Select the **Volume Group** link
  - Select the **Add Volume Group** button
  - Select the **Add Volume Groups For A New Versioned Data Type** button
  - Enter the **Name** and **Version ID** data in the edit window
  - Select **OK**
  - **Volume Group Configuration: Add a Volume Group** window is displayed





# Modifying Configurations – Add Volume Groups New Data Type (Cont.)



- Procedure (Cont.)
  - If Alternate Volume Group was specified, click on **Alternate VG** box
  - If adding Alternate Volume Group history set, click on the **Reprocessing** or **Forward Processing** button
  - If adding Alternate Volume Group history set, select an appropriate **Date** to set for storing/retrieving data





# Modifying Configurations – Add Volume Groups New Data Type (Cont.)



- Procedure (Cont.)
  - Enter the fully qualified Unix path to the **Primary Archive**
  - Enter the fully-qualified Unix path for the **Primary Alternate Archive**
  - Enter the fully-qualified Unix path for the **Backup Archive**
  - Enter the fully-qualified Unix path for the **Backup Alternate Archive**
  - Enter the fully-qualified Unix path for the **Offsite Archive**
  - Enter the fully-qualified Unix path for the **Offsite Alternate Archive**
  - Select in the **Apply** button
  - Select **OK**

The screenshot shows a web browser window titled 'EPL Ingest GUI (DEV09) - Mozilla Firefox'. The main content area is titled 'Volume Groups Configuration: Add a Volume Group'. It contains a form with the following sections:

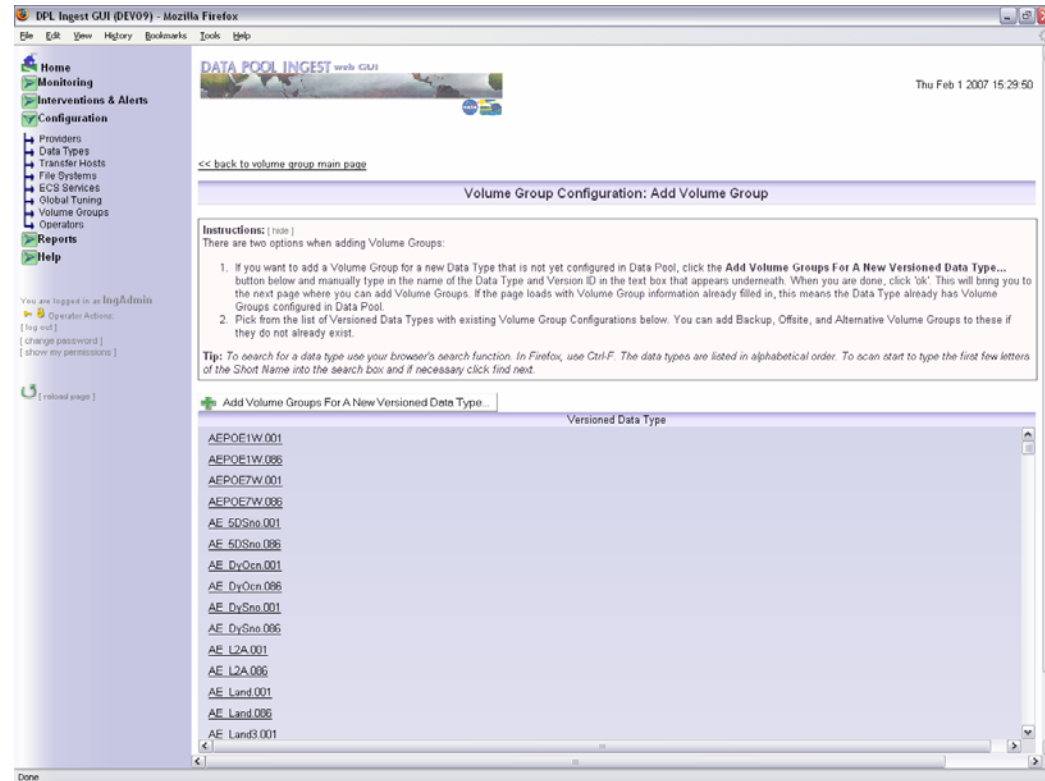
- Add Volume Groups**  
Data Type and Version ID: AEPOE1W001  
Alternative VG Options: ☐
- Primary Volume Group**  
Path: /datapool/DEV01/user/FS1/ARCHIVE
- Primary Alternative Volume Group**  
Path:
- Backup Volume Group**  
Path:
- Backup Alternative Volume Group**  
Path:
- Offsite Volume Group**  
Path:
- Offsite Alternative Volume Group**  
Path:

At the bottom of the form, there are two buttons: **Apply** (with a green plus icon) and **Cancel** (with a red X icon). The 'Apply' button is highlighted.

# Modifying Configurations – Add Volume Groups Existing Data Type



- **Procedure**
  - Select the **Configuration** link
  - Select the **Volume Group** link
  - Select the **Add Volume Group** button
  - Click on **Versioned Data Type**
  - **Volume Group Configuration: Add a Volume Group** window is displayed



# Modifying Configurations – Add Volume Groups Existing Data Type (Cont.)



- Procedure (Cont.)
  - If Alternate Volume Group was specified, click on **Alternate VG** box
  - If adding Alternate Volume Group history set, click on the **Reprocessing** or **Forward Processing** button
  - If adding Alternate Volume Group history set, select an appropriate **Date** to set for storing/retrieving data

EPL Ingest GUI (DEV09) - Mozilla Firefox

DATA POOL INGEST web GUI

Thu Feb 1 2007 15:30:54

<< back to data type list

Volume Groups Configuration: Add a Volume Group

Add Volume Groups  
Data Type and Version ID: AEPOETW001  
Alternative VG Options: ☐

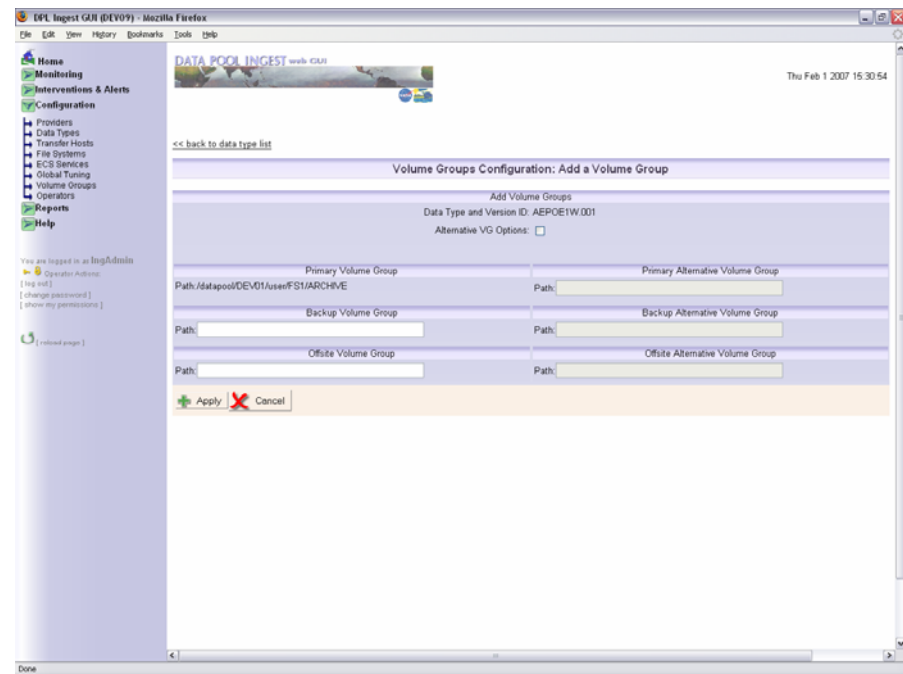
Primary Volume Group	Primary Alternative Volume Group
Path: /datapool/DEV01/user/FS1/ARCHIVE	Path:
Backup Volume Group	Backup Alternative Volume Group
Path:	Path:
Offsite Volume Group	Offsite Alternative Volume Group
Path:	Path:

Apply Cancel

# Modifying Configurations – Add Volume Groups Existing Data Type (Cont.)



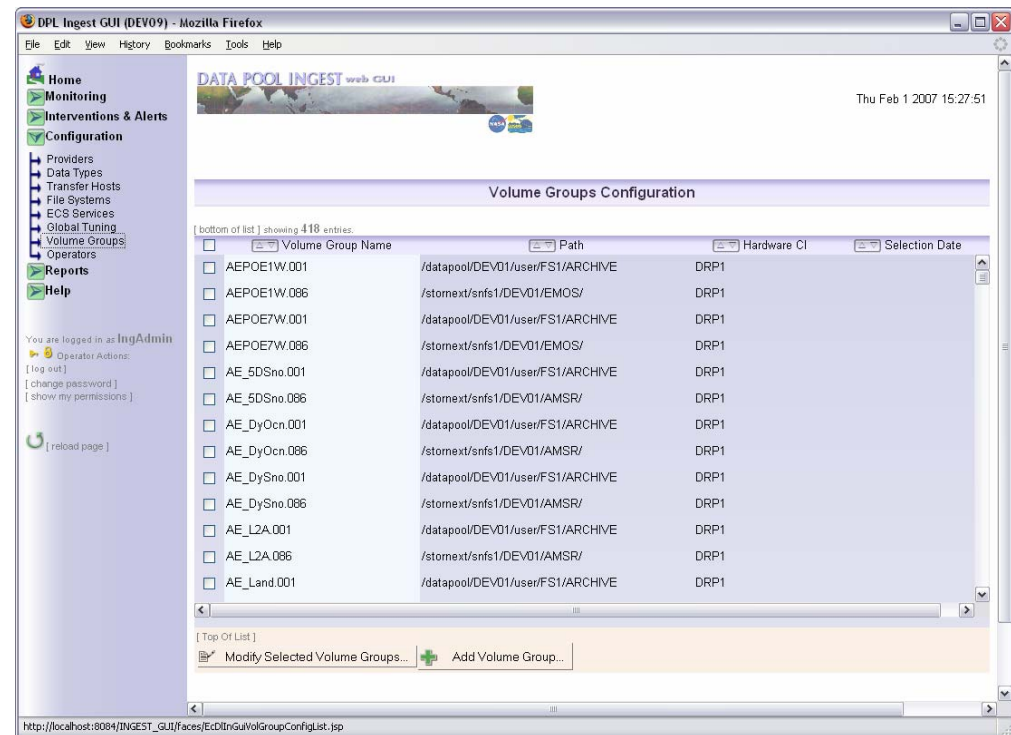
- Procedure (Cont.)
  - Enter the fully qualified Unix path to the **Primary Archive**
  - Enter the fully-qualified Unix path for the **Primary Alternate Archive**
  - Enter the fully-qualified Unix path for the **Backup Archive**
  - Enter the fully-qualified Unix path for the **Backup Alternate Archive**
  - Enter the fully-qualified Unix path for the **Offsite Archive**
  - Enter the fully-qualified Unix path for the **Offsite Alternate Archive**
  - Select in the **Apply** button
  - Select **OK**



# Modifying Configurations – Modify Volume Groups



- Procedure
  - Select the **Configuration** link
  - Select the **Volume Group** link
  - Click on the box next to the **Volume Group Name**
  - Click on the **Modify Selected Volume Groups** button
  - Enter the new **Volume Group Path**
  - Select **OK**



# Modifying Configurations – Operator Access



- **There are five different permission levels**
  - An operator may be assigned multiple permissions other than view only
- **The following list reviews the five permission levels for the Data Pool Ingest GUI**
  - **View Only** – The operator cannot alter or modify anything on the GUI, nor can he/she take actions
    - All textboxes, checkboxes, drop-down lists, etc. are disabled
  - **Ingest Control**- The operator can manage Ingest requests and interventions
    - Can suspend or resume requests, place on hold and close interventions, fail or resume granules, etc
  - **Ingest Admin** - The operator can alter general configuration parameters such as SCP/FTP Host configuration, providers, data types
    - This level of operator cannot modify tuning parameters
  - **Ingest Tuning** - The operator can alter global and host-specific tuning configuration parameters
  - **Security Admin** - The operator can maintain security-related information like passwords and operators



- DPL Ingest GUI (DEV09) - Mozilla Firefox
File Edit View History Bookmarks Tools Help

Home
Monitoring
Interventions & Alerts
Configuration
Providers
Data Types
Transfer Hosts
File Systems
EC2 Services
Global Tuning
Volume Groups
Operators
Reports
Help

Thu Feb 1 2007 15:33:25

## Operator Configuration

**Note:**  
Changes to an existing operator's permissions will not take effect until the next login to that particular operator.

[ HELP ]

### Operator Management

Operator Name	Permissions
<input type="checkbox"/> IngAdmin	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input checked="" type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
<input type="checkbox"/> IngTuning	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input checked="" type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
<input type="checkbox"/> JanR	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input checked="" type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
<input type="checkbox"/> V0000	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input checked="" type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
<input type="checkbox"/> V000A	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input checked="" type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
<input type="checkbox"/> V00T0	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input checked="" type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
<input type="checkbox"/> V00TA	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input checked="" type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
<input type="checkbox"/> V0500	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input checked="" type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
<input type="checkbox"/> V050A	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input checked="" type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
<input type="checkbox"/> V05T0	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input checked="" type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
<input type="checkbox"/> V05TA	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input checked="" type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
<input type="checkbox"/> V000	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input checked="" type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
<input type="checkbox"/> V00A	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input checked="" type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
<input type="checkbox"/> V0T0	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input checked="" type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
<input type="checkbox"/> V0TA	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input checked="" type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
<input type="checkbox"/> V0500	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input checked="" type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
<input type="checkbox"/> V05A	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input checked="" type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
<input type="checkbox"/> V05T0	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input checked="" type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security

You are logged in as IngAdmin

Operator Subtree

[ Help ]

[ change password ]

[ show the permissions ]

# Modifying Configurations – Add Operator Permission Settings



- Procedure
- **Reminder: Must have special Security Admin access to make changes**
  - Select the **Configuration** link
  - Select the **Operators** link
  - Scroll to the bottom of the Operator Configuration screen to the **Add Operator** section

The screenshot shows the "Add Operator" form. It has a light purple header with the title "Add Operator". Below the header, there are four input fields: "Operator Name:" with the value "DavidH", "Password:" with "\*\*\*\*\*", "Verify Password:" with "\*\*\*\*\*", and "Permissions:". The "Permissions:" section includes a list of checkboxes with icons: "view only" (unchecked), "ingest control" (checked with a green checkmark), "ingest admin" (unchecked), "ingest tuning" (unchecked), and "ingest security" (checked with a green checkmark). At the bottom left, there is a green plus icon and a button labeled "Add Operator".



# Modifying Configurations – Add Operator Permission Settings (Cont.)



- Procedure (Cont.)
  - Enter the **Operator Name**
  - Enter the **Password**
  - Enter the **Verify Password**
  - Select the **Permissions**
  - Click the **Add Operators** button
  - Select **OK**

A screenshot of the "Add Operator" dialog box. The dialog has a light purple header with the title "Add Operator". Below the header, there are four input fields: "Operator Name" with the text "DavidH", "Password" with "\*\*\*\*\*", "Verify Password" with "\*\*\*\*\*", and "Permissions". The "Permissions" section includes a list of checkboxes with icons: "view only" (unchecked), "ingest control" (checked with a green checkmark), "ingest admin" (unchecked), "ingest tuning" (unchecked), and "ingest security" (checked with a green checkmark). At the bottom left of the dialog, there is a green plus icon and a button labeled "Add Operator".

# Reports



- **The reporting capability of the Ingest GUI offers the ability to view detailed reports on data providers, data types, request summary and granule summary reports**
- **The report pages display the information across data providers or data types**
- **Due to the large volume of data that may be in the database, reports can sometime take a while to process and be displayed**
- **Reports**
  - Detailed
  - Request Summary
  - Granule Summary
  - Volume Group

# Generating Reports



- Procedure
  - Select the **Reports** link
  - Select **Detailed**, **Request Summary** or **Granule Summary** link
  - Enter the **Start Date/Time** and **End Date/Time**
  - Select the **Data Providers**, **Data Types**, one or more **Final Request Statuses**, and the **Ingest Method** (ie, **DPL** or **Non-DPL**)
  - Select the **Generate Report** button

Current Report Criteria:														
Data Provider(s): [ALL]					Data Type(s): [ALL]									
Final Request Status: [ALL]					Start Date/Time: 1/11/2006 15:18									
End Date/Time: 31/10/2006 15:18														
Report Output														
Req.ID	Data Provider	Ingest Type	Ingest Method	Start Date/Time	End Date/Time	Tot.# grans.	# Succ. grans.	Vol (MB)	File Count	Time to xfer (mins)	Time to preproc (min)	Time to Archive (min)	Priority	Restart Flag
21807	S4P00	Polling_wDR	DPL	2006-11-01 08:21:07	2006-11-01 08:21:19	1	1	6.311	2	0	8	0	VHIGH	
21808	S4P00	Polling_wDR	DPL		2006-11-01 08:29:06	1		6.245	2	0	0	0	VHIGH	
21809	ASTER_OSF	Polling_wDR	DPL	2006-11-01 10:03:09	2006-11-01 10:03:10	1		0.473	2	0	0	0	NORMAL	
21810	ASTER_OSF	Polling_wDR	DPL	2006-11-01 10:03:09	2006-11-01 10:03:10	1		0.473	2	0	0	0	NORMAL	
21811	ASTER_OSF	Polling_wDR	DPL	2006-11-01 10:03:09	2006-11-01 10:03:10	1		0.473	2	0	0	0	NORMAL	

# Generating Reports (Cont.)



## Request Summary Report Layout

Current Report Criteria:															
Data Type(s): [ALL]										Final Request Status: [ALL]					
Start Date/Time: 1/11/2006 15:21										End Date/Time: 31/10/2006 15:21					
Report Output															
Data Provider	Ingest Type	Ttl. Reqs	Ttl. Errors	Gran Avg	Gran Max	File Avg	File Max	Size Avg (MB)	Size Max (MB)	Xfer time Avg (mins)	Xfer time Max (mins)	Preproc time Avg (mins)	Preproc time Max (mins)	Archive Time Avg (mins)	Archive Time Max (mins)
ASTER_OSF		12	0	1	1	2	2	0.473	0.473	10	126	3	14	0	1
CRIT_4150_2		10	0	1	1	2	2	0.473	0.473	0	1	1	2	0	0
MODAPS_TERRA_FPROC		1	0	1	1	2	2	0.473	0.473	0	0	2	2	0	0
S4P00		57	0	1	1	2	3	16.157	71.236	0	2	2	8	0	1

## Granule Summary Report Layout

Current Report Criteria															
Data Provider(s): [ALL]										Data Type(s): [ALL]					
Final Request Status: [ALL]										Start Date/Time: 1/11/2006 15:21					
End Date/Time: 30/10/2006 15:21															
Report Output															
Data Provider	Ingest Type	Data Type	Ttl. Grans	Ttl. Errors	File Avg	File Max	Size Avg (MB)	Size Max (MB)	Xfer time Avg (mins)	Xfer time Max (mins)	Preproc time Avg (mins)	Preproc time Max (mins)	Archive Time Avg (mins)	Archive Time Max (mins)	
ALL_ESDTS		AEPOE1W	2	0	2	2	0.048	0.048	0	1	19	27	1	3	
ALL_ESDTS		AEPOE7W	2	0	2	2	0.100	0.100	0	1	11	15	1	1	
ALL_ESDTS		AE_SDSho	2	0	2	2	0.100	0.100	1	2	18	21	0	0	
ALL_ESDTS		AE_DyOcn	4	0	2	2	0.100	0.100	1	3	16	28	0	1	
ALL_ESDTS		AE_DySho	4	0	2	2	0.100	0.100	0	1	18	29	1	4	
ALL_ESDTS		AE_L2A	29	0	2	2	0.103	0.103	2	5	16	30	1	4	
ALL_ESDTS		AE_Land3	4	0	2	2	0.100	0.100	2	3	11	17	0	3	
ALL_ESDTS		AE_MoOcn	3	0	2	2	0.100	0.100	2	3	12	24	0	0	



- **The Help section, contains information the operator can have readily available while operating the Data Pool Ingest GUI**
- **Three links**
  - **General Topics**
  - **Context Help**
  - **About**

# Help – General Topics



- Procedure
  - Select the **Help** link
  - Select the **General Topics** link
  - Click on **Request State Transition** link

**DPL Ingest GUI (DEV09) - Mozilla Firefox**

Thu Feb 1 2007 15:43:35

**DATA POOL INGEST** web GUI

**Index**

Click on a topic title below to jump to that topic. You can also search for desired information by using your browser's built-in search function (Ctrl-F).

- [Request State Transition](#)
- [Granule State Transition](#)

**Request State Transition**

Requests go through various states as they are processed by the DPL Processing Service. Below are the paths that a request can take during its processing lifecycle. Some things to note:

- If a request is "stuck" and does not move to the next state after a reasonable amount of time, then the Processing Service may be down. This is normally, but not always, indicated on the GUI's home (Ingest Status) page under the Processing Service Status.
- If requests are being submitted and not being picked up, it is possible the Polling Service or Quick Sender may be down or suspended.

**Possible Request Paths:**

Normal Transition	Cold Restart	Validation Failed
1. New	1. New	1. New
2. validated - validation successful	2. validated - validation successful	2. Failed - validation failed
3. Active - dispatched	3. Terminated - cold restart	
4. Successful - all granules successful, PAM built, output		

**Possible Request Paths (cont):**

Failed Granules	Suspended Granules	Operator Cancellation
1. New	1. New	1. New
2. validated - validation successful	2. validated - validation successful	2. validated - validation successful
3. Active - dispatched	3. Active - dispatched	3. Active - dispatched
4. one of: <ul style="list-style-type: none"><li>◦ Partial_Failure - not all granules failed</li><li>◦ Failed - all granules failed</li></ul>	4. One of: <ul style="list-style-type: none"><li>◦ Partially_Suspended - at least one granule suspended, one active</li><li>◦ Suspended - at least one suspended, none active</li></ul>	4. Cancelling - operator cancel request
	5. Operator resumes granule from checkpoint, at which point the states would go to: <ul style="list-style-type: none"><li>◦ Resuming - at least one granule suspended, one active</li></ul>	5. one of: <ul style="list-style-type: none"><li>◦ Partially_Cancelled - not all granules cancelled</li><li>◦ Cancelled - all granules cancelled</li></ul>

**Granule State Transition**

Granules also go through various states as they are processed by the DPL Processing Service. Below are the paths that a granule can take during its processing lifecycle.

**Possible Granule Paths:**

Normal Transition	Possible Error States
1. Processing (START)	
2. Transferring	

# Data Pool Management



- **Features of the Data Pool Maintenance GUI**
  - Most Archive or support personnel tasks for monitoring and maintaining the Data Pool require the use of the Data Pool Maintenance (DPM) GUI
  - The **DPM GUI** permits an Ingest operator to perform tasks in the following general areas:
    - Managing **Data Pool Collection Groups**
    - Managing **Data Pool Collections within Collection Groups**

# Data Pool Management (Cont.)



- **Features of the Data Pool Maintenance GUI (Cont.)**
  - **New operator GUI security standards require the following two levels of permissions for the DPM GUI:**
    - **Full Capability**
    - **Limited Capability**
  - **Full-capability operators have the ability to configure parameters and perform all other actions that can be accomplished with the DPM GUI**
  - **Limited-capability operators are able to view a lot of information**
    - **However, on the limited-capability GUI some buttons and links have been disabled so it is not possible to perform certain actions or access certain pages**



# Data Pool Management (Cont.)



- **Features of the Data Pool Maintenance GUI (Cont.)**
  - **This lesson provides instruction in the full-capability version of the DPM GUI**
    - **However, the functions that are available to limited-capability operators as well as the functions that are not available to limited-capability operators are identified**

# DPM GUI: Home Page




**Data Pool Maintenance GUI -- DEV08 MODE - Netscape**

File Edit View Go Bookmarks Tools Window Help


http://f4hel01.hltc.com:22181/cgi-bin/EcDlDpmHomePage.pl Search

Mail AIM Home Radio My Netscape Search Bookmarks

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## Data Pool Maintenance

DEV08 

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[Home Page](#)[Batch Summary](#)[List Insert Queue](#)[Collection Groups](#)[Themes](#)[Data Pool File Systems](#)

[Cloud Cover](#)[Configuration Parameters](#)[Aging Parameters](#)[Help](#)[End Session](#)

[Refresh Home Page](#)

Screen Refresh Rate  (in Secs)  Last Screen Refresh on Mon Aug 20 13:53:34 EDT 2007

Active Insert Processes  rows

Active Insert Status Filter ☒ Pending ☒ Validated ☒ Copied ☐ Checksummed ☒ Extracted

Summary of Data Pool File System(s)			
File System Label	Free Space Flag	Availability	Min Freed Space in MB
DEFAULT	State : Y Last changed: Oct 19 2006 4:14PM	State : Y Last changed: Oct 19 2006 4:14PM	10
FS2	State : Y Last changed: Nov 7 2006 2:10PM	State : Y Last changed: Nov 7 2006 2:10PM	200

Summary of Active Processes	
Maximum allowed processes	10000
Maximum allowed processes from archive cache	20
Maximum allowed processes from archive tape	40
Total number of active insert processes running	0
Total number of validated active insert processes running	0

Done

# DPM GUI: Collection Group Page



**Data Pool Maintenance GUI -- OPS MODE - Netscape**

File Edit View Go Bookmarks Tools Window Help

http://f4dp101.hitc.com:22101/cgi-bin/EcDpManageCollGroups.pl Search

Home Mail AIM Home Radio My Netscape Search Bookmarks

## Data Pool Maintenance

OPS

[Home Page](#) [Batch Summary](#) [List Insert Queue](#) [Collection Groups](#) [Themes](#) [Data Pool File Systems](#)  
[Cloud Cover](#) [Configuration Parameters](#) [Aging Parameters](#) [Help](#)

You can manage the collections of a group by clicking on the groupid

Data Source	Group ID (Click for managing collections)	Display Name	Description
ECS	1	1	Funky, new collection group.
ECS	<a href="#">ACRM</a>	ACRM	All collections/granules from the ACRIM mission
ECS	<a href="#">AIRA</a>	AIRA	AIRS/AMSU/MHS collections/granules from the Aqua mission
ECS	<a href="#">AMSA</a>	AMSA	AMSR-E collections/granules from the Aqua mission
ECS	<a href="#">ASTT</a>	ASTT	ASTER collections/granules from the Terra mission
ECS	<a href="#">BRWS</a>	BRWS	Browse collections/granules
NON-ECS	<a href="#">CZCSGROUP</a>	CZCSGROUP	This is my awesome group.
ECS	<a href="#">DASP</a>	DASP	Data Assimilation System Products

# DPM GUI: List of Collections Page





**Data Pool Maintenance GUI -- OPS MODE - Netscape**

File Edit View Go Bookmarks Tools Window Help

http://f4dpl01.hitc.com:22101/cgi-bin/EcDlDpmManageCollections.pl?GroupId=CZCSGROUP Search

Mail AIM Home Radio My Netscape Search Bookmarks

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 **Data Pool Maintenance** OPS 

[Home Page](#) [Batch Summary](#) [List Insert Queue](#) [Collection Groups](#) [Themes](#) [Data Pool File Systems](#)  
[Cloud Cover](#) [Configuration Parameters](#) [Aging Parameters](#) [Help](#)

Data Source:NON-ECS Group ID:CZCSGROUP Display Name:CZCSGROUP Description:This is my awesome group.

File System

**List Of Collections**

Collection (Click for Detail Information)	Version	Science Granules and/or Metadata	Data Pool Insertion	HEG Processing	Export Urls to ECHO	Quality Summary Url	Spatial Search Type	Global Coverage	Day/Night Coverage	24 Hour Coverage	Cloud Coverage
<a href="#">CZCS</a>	001	science and metadata	valid for Data Pool	Enabled	No		Not supported	Yes	Yes	No	No

[Add New Collection](#) [Return to previous page](#)

You can view the detail information of a collection by clicking on the collection link

# DPM GUI: ECS Collection Detail Information Page



**Data Pool Maintenance GUI -- OPS MODE - Netscape**



File Edit View Go Bookmarks Tools Window Help

http://f4dpl01.hitc.com:22101/cgi-bin/EcdDpmManageCollections.pl?collAction=38&VersionId=18&C Search

Mail AIM Home Radio My Netscape Search Bookmarks

Data Pool Maintenance GUI -- OPS ...

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 **Data Pool Maintenance** OPS 

[Home Page](#) [Batch Summary](#) [List Insert Queue](#) **[Collection Groups](#)** [Themes](#) [Data Pool File Systems](#)

[Cloud Cover](#) [Configuration Parameters](#) [Aging Parameters](#) [Help](#)

---

Group ID:ACRM Display Name:ACRM Description:All collections/granules from the ACRIM mission

Detail Information	
Collection	ACR3L0
Version	1
Description	This file contains Level 0 total solar irradiance data gathered by the ACRIM instrument on the ACRIMSAT satellite.
File System	DEFAULT
Science Granules and/or Metadata	Science and Metadata
Data Pool Insertion	Valid for Data Pool Inserts
HEG Processing	Enabled
Export Urls to ECHO	No
Quality Summary Url	
Spatial Search Type	NotSupported

Done

# DPM GUI: Modify Collection Group



- Procedure

- Select the DPM GUI **Collection** Groups link
- Select the **Modify Collection Group** link
- Make desired changes to the **Display Name** and **Description**
- Select check box at the end of the row.
- Click on the **Apply Changes** button.

Modify Collection Group			
Data Source	Group ID (Click to manage collection)	Display Name	Description
<input type="checkbox"/>	<a href="#">ACRM</a>	ACRM	All collections/granules from the ACRIM mission
<input type="checkbox"/>	<a href="#">AIRA</a>	AIRA	AIRS/AMSU/MHS collections/granules from the Aqua mission
<input type="checkbox"/>	<a href="#">AMSA</a>	AMSA	AMSR-E collections/granules from the Aqua mission
<input type="checkbox"/>	<a href="#">ASTT</a>	ASTT	ASTER collections/granules from the Terra mission
<input type="checkbox"/>	<a href="#">BRWS</a>	BRWS	Browse collections/granules
<input type="checkbox"/>	<a href="#">DASP</a>	DASP	Data Assimilation System Products
<input type="checkbox"/>	<a href="#">DASP2</a>	DASP2	DASP2

# DPM GUI: Add A Collection Group



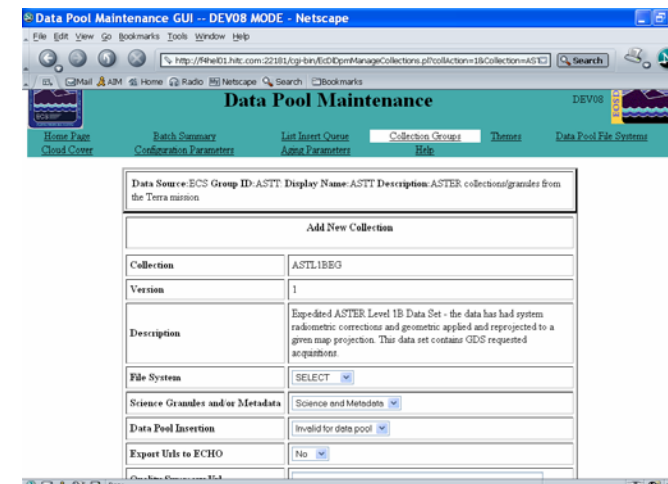
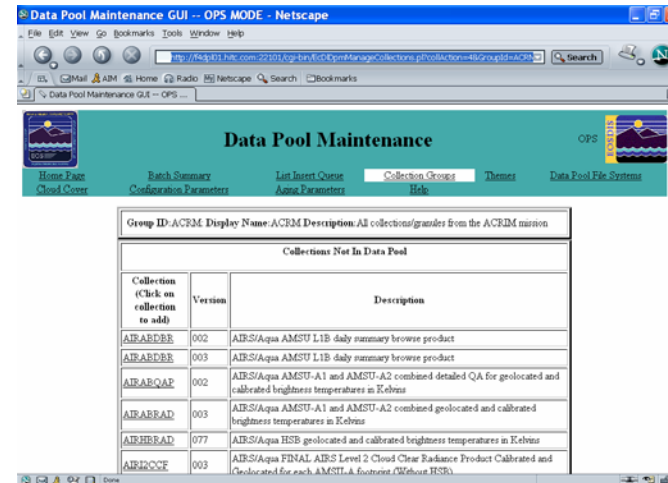
- Procedure
  - Select the DPM GUI **Collection Groups** link
  - Select the **Add Collection Group** link
  - Enter **Display Source**, **Group ID**, **Display Name** and **Description**
  - Click on the **Apply Change** button
- Note: Once entered, the **Collection Group** cannot be deleted

The screenshot shows a Netscape browser window titled "Data Pool Maintenance GUI -- DEV08 MODE - Netscape". The address bar shows the URL: `http://f4hel01.hitc.com:22181/cgi-bin/EcDIDpmManageCollGroups.pl?collAction=1`. The page has a teal header with the "Data Pool Maintenance" title and a "DEV08" label. Below the header is a navigation bar with links: "Home Page", "Batch Summary", "List Insert Queue", "Collection Groups" (highlighted), "Themes", and "Data Pool File Systems". Under "Collection Groups" are sub-links: "Cloud Cover", "Configuration Parameters", "Aging Parameters", and "Help". The main content area is titled "Add Collection Group" and contains a form with four fields: "Data Source" (a dropdown menu showing "ECS"), "Group ID", "Display Name (Optional)", and "Description". Below the form are two buttons: "Return to previous page" and "Apply Change". A note at the bottom states: "NOTE: The Display Name will default to the GroupID unless specifically set to something else."

# DPM GUI: Add ECS Collections to a Collection Group



- Procedure
  - Select the DPM GUI **Collection Groups** link
  - Select the **Group ID** link
  - Select the **Add New Collection** link
  - From the **Collections Not in Data Pool** page select the collection to add
  - Complete all appropriate fields
  - Click on the **Apply Change** button





# DPM GUI: Modify an ECS Collection



- Procedure
  - Select the DPM GUI [Collection Groups](#) link
  - Select the [Group ID](#) link
  - From the [List of Collections](#) page, select the collection to be modified
  - From the [Detailed Information](#) page, select the [Modify Collection](#) link
  - From the Modify Collection page, complete desired fields
  - Click on the [Apply Change](#) button

Data Source: ECS Group ID: ASTT Display Name: ASTT Description: ASTER collections/granules from the Terra mission

File System: ALL Apply Filter

Collection (Click for Detail Information)	Version	Science Granules and/or Metadata	Data Pool Insertion	HEG Processing	Export Url to ECHO	Quality Summary Url	Spatial Search Type	Global Coverage	Day/Night Coverage	24 Hour Coverage	Cloud Coverage
ASTL1ADG	001	science and metadata	valid for Data Pool	Disabled	No	--	GPolygon	No	Yes	No	No
ASTL1XP1	001	science and metadata	valid for Data Pool	Disabled	No	--	Not supported	No	Yes	No	No
		science	valid for				No				

Data Source: ECS Group ID: MOTA Display Name: MOTA Description: MOTA

Modify Collection

Collection	MCD43C1
Version	86
Description	MODIS Terra plus Aqua Combined Albedo 16-Day L3 Global 0.05Deg CMG
File System	DEFAULT
Science Granules and/or Metadata	Science and Metadata
Data Pool Insertion	Valid for Data Pool Insert
HEG Processing	Disabled
Export Urls to ECHO	No
Quality Summary Url	